

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
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LAL, Preeti
TANG, Y. Tom
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AU-YOUNG, Janice
BANDMAN, Olga
AZIMZAI, Yalda
YANG, Junming
LU, Dyung Aina M.
BAUGHN, Mariah R.
PATTERSON, Chandra
SHAH, Purvi

<120> CELL CYCLE AND PROLIFERATION PROTEINS

<130> PF-0722 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/145,075; 60/153,129; 60/164,647
<151> 1999-07-21; 1999-09-08; 1999-11-10

<160> 108
<170> PERL Program

<210> 1
<211> 145
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 116462CD1

<400> 1
Met Asn Gly Arg Val Asp Tyr Leu Val Thr Glu Glu Glu Ile Asn
1 5 10 15
Leu Thr Arg Gly Pro Ser Gly Leu Gly Phe Asn Ile Val Gly Gly
20 25 30
Thr Asp Gln Gln Tyr Val Ser Asn Asp Ser Gly Ile Tyr Val Ser
35 40 45
Arg Ile Lys Glu Asn Gly Ala Ala Ala Leu Asp Gly Arg Leu Gln
50 55 60
Glu Gly Asp Lys Ile Leu Ser Val Asn Gly Gln Asp Leu Lys Asn
65 70 75
Leu Leu His Gln Asp Ala Val Asp Leu Phe Arg Asn Ala Gly Tyr
80 85 90
Ala Val Ser Leu Arg Val Gln His Arg Leu Gln Val Gln Asn Gly
95 100 105
Pro Ile Gly His Arg Gly Glu Gly Asp Pro Ser Gly Ile Pro Ile
110 115 120
Phe Met Val Leu Val Pro Val Phe Ala Leu Thr Met Val Ala Ala
125 130 135
Trp Ala Phe Met Arg Tyr Arg Gln Gln Leu
140 145

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<213> Homo sapiens

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<223> Incyte ID No: 1210462CD1

<400> 2

Met Leu Thr Gln Leu Lys Ala Lys Ser Glu Gly Lys Leu Ala Lys
1 5 10 15
Gln Ile Cys Lys Val Val Leu Asp His Phe Glu Lys Gln Tyr Ser
20 25 30
Lys Glu Leu Gly Asp Ala Trp Asn Thr Val Arg Glu Ile Leu Thr
35 40 45
Ser Pro Ser Cys Trp Gln Tyr Ala Val Leu Leu Asn Arg Phe Asn
50 55 60
Tyr Pro Phe Glu Leu Glu Lys Asp Leu His Leu Lys Gly Tyr His
65 70 75
Thr Leu Ser Gln Gly Ser Leu Pro Asn Tyr Pro Lys Ser Val Lys
80 85 90
Cys Tyr Leu Ser Arg Thr Pro Gly Arg Ile Pro Ser Glu Arg His
95 100 105
Gln Ile Gly Asn Leu Lys Lys Tyr Tyr Leu Leu Asn Ala Ala Ser
110 115 120
Leu Leu Pro Val Leu Ala Leu Glu Leu Arg Asp Gly Glu Lys Val
125 130 135
Leu Asp Leu Cys Ala Ala Pro Gly Gly Lys Ser Ile Ala Leu Leu
140 145 150
Gln Cys Ala Cys Pro Gly Tyr Leu His Cys Asn Glu Tyr Asp Ser
155 160 165
Leu Arg Leu Arg Trp Leu Arg Gln Thr Leu Glu Ser Phe Ile Pro
170 175 180
Gln Pro Leu Ile Asn Val Ile Lys Val Ser Glu Leu Asp Gly Arg
185 190 195
Lys Met Gly Asp Ala Gln Pro Glu Met Phe Asp Lys Val Leu Val
200 205 210
Asp Ala Pro Cys Ser Asn Asp Arg Ser Trp Leu Phe Ser Ser Asp
215 220 225
Ser Gln Lys Ala Ser Cys Arg Ile Ser Gln Arg Arg Asn Leu Pro
230 235 240
Leu Leu Gln Ile Glu Leu Leu Arg Ser Ala Ile Lys Ala Leu Arg
245 250 255
Pro Gly Gly Ile Leu Val Tyr Ser Thr Cys Thr Leu Ser Lys Ala
260 265 270
Glu Asn Gln Asp Val Ile Ser Glu Ile Leu Asn Ser His Gly Asn
275 280 285
Ile Met Pro Met Asp Ile Lys Gly Ile Ala Arg Thr Cys Ser His
290 295 300
Asp Phe Thr Phe Ala Pro Thr Gly Gln Glu Cys Gly Leu Leu Val
305 310 315
Ile Pro Asp Lys Gly Lys Ala Trp Gly Pro Met Tyr Val Ala Lys
320 325 330
Leu Lys Lys Ser Trp Ser Thr Gly Lys Trp
335 340

<210> 3

<211> 418

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1305252CD1

<400> 3

Met Leu Tyr Leu Glu Asp Tyr Leu Glu Met Ile Glu Gln Leu Pro
 1 5 10 15
 Met Asp Leu Arg Asp Arg Phe Thr Glu Met Arg Glu Met Asp Leu
 20 25 30
 Gln Val Gln Asn Ala Met Asp Gln Leu Glu Gln Arg Val Ser Glu
 35 40 45
 Phe Phe Met Asn Ala Lys Lys Asn Lys Pro Glu Trp Arg Glu Glu
 50 55 60
 Gln Met Ala Ser Ile Lys Lys Asp Tyr Tyr Lys Ala Leu Glu Asp
 65 70 75
 Ala Asp Glu Lys Val Gln Leu Ala Asn Gln Ile Tyr Asp Leu Val
 80 85 90
 Asp Arg His Leu Arg Lys Leu Asp Gln Glu Leu Ala Lys Phe Lys
 95 100 105
 Met Glu Leu Glu Ala Asp Asn Ala Gly Ile Thr Glu Ile Leu Glu
 110 115 120
 Arg Arg Ser Leu Glu Leu Asp Thr Pro Ser Gln Pro Val Asn Asn
 125 130 135
 His His Ala His Ser His Thr Pro Val Glu Lys Arg Lys Tyr Asn
 140 145 150
 Pro Thr Ser His His Thr Thr Thr Asp His Ile Pro Glu Lys Lys
 155 160 165
 Phe Lys Ser Glu Ala Leu Leu Ser Thr Leu Thr Ser Asp Ala Ser
 170 175 180
 Lys Glu Asn Thr Leu Gly Cys Arg Asn Asn Asn Ser Thr Ala Ser
 185 190 195
 Ser Asn Asn Ala Tyr Asn Val Asn Ser Ser Gln Pro Leu Gly Ser
 200 205 210
 Tyr Asn Ile Gly Ser Leu Ser Ser Gly Thr Gly Ala Gly Ala Ile
 215 220 225
 Thr Met Ala Ala Ala Gln Ala Val Gln Ala Thr Ala Gln Met Lys
 230 235 240
 Glu Gly Arg Arg Thr Ser Ser Leu Lys Ala Ser Tyr Glu Ala Phe
 245 250 255
 Lys Asn Asn Asp Phe Gln Leu Gly Lys Glu Phe Ser Met Ala Arg
 260 265 270
 Glu Thr Val Gly Tyr Ser Ser Ser Ser Ala Leu Met Thr Thr Leu
 275 280 285
 Thr Gln Asn Ala Ser Ser Ser Ala Ala Asp Ser Arg Ser Gly Arg
 290 295 300
 Lys Ser Lys Asn Asn Asn Lys Ser Ser Ser Gln Gln Ser Ser Ser
 305 310 315
 Ser Ser Ser Ser Ser Leu Ser Ser Cys Ser Ser Ser Ser Thr
 320 325 330
 Val Val Gln Glu Ile Ser Gln Gln Thr Thr Val Val Pro Glu Ser
 335 340 345
 Asp Ser Asn Ser Gln Val Asp Trp Thr Tyr Asp Pro Asn Glu Pro
 350 355 360
 Arg Tyr Cys Ile Cys Asn Gln Val Ser Tyr Gly Glu Met Val Gly
 365 370 375
 Cys Asp Asn Gln Asp Cys Pro Ile Glu Trp Phe His Tyr Gly Cys
 380 385 390
 Val Gly Leu Thr Glu Ala Pro Lys Gly Lys Trp Tyr Cys Pro Gln
 395 400 405
 Cys Thr Ala Ala Met Lys Arg Arg Gly Ser Arg His Lys
 410 415
 <210> 4
 <211> 297
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 <213> Homo sapiens
 <220>
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<223> Incyte ID No: 1416289CD1

<400> 4

Met	Ala	Tyr	Asn	Val	Ile	Ile	Ile	Tyr	Phe	Asn	Phe	Arg	Cys	Leu
1				5					10					15
Glu	Trp	Leu	Leu	Asn	Asn	Leu	Met	Thr	His	Gln	Asn	Val	Glu	Leu
					20				25					30
Phe	Lys	Glu	Leu	Ser	Ile	Asn	Val	Met	Lys	Gln	Leu	Ile	Gly	Ser
					35				40					45
Ser	Asn	Leu	Phe	Val	Met	Gln	Val	Glu	Met	Asp	Ile	Tyr	Thr	Ala
					50				55					60
Leu	Lys	Lys	Trp	Met	Phe	Leu	Gln	Leu	Val	Pro	Ser	Trp	Asn	Gly
					65				70					75
Ser	Leu	Lys	Gln	Leu	Leu	Thr	Glu	Thr	Asp	Val	Trp	Phe	Ser	Lys
					80				85					90
Gln	Arg	Lys	Asp	Phe	Glu	Gly	Met	Ala	Phe	Leu	Glu	Thr	Glu	Gln
					95				100					105
Gly	Lys	Pro	Phe	Val	Ser	Val	Phe	Arg	His	Leu	Arg	Leu	Gln	Tyr
					110				115					120
Ile	Ile	Ser	Asp	Leu	Ala	Ser	Ala	Arg	Ile	Ile	Glu	Gln	Asp	Ala
					125				130					135
Val	Val	Pro	Ser	Glu	Trp	Leu	Ser	Ser	Val	Tyr	Lys	Gln	Gln	Trp
					140				145					150
Phe	Ala	Met	Leu	Arg	Ala	Glu	Gln	Asp	Ser	Glu	Val	Gly	Pro	Gln
					155				160					165
Glu	Ile	Asn	Lys	Glu	Glu	Leu	Glu	Gly	Asn	Ser	Met	Arg	Cys	Gly
					170				175					180
Arg	Lys	Leu	Ala	Lys	Asp	Gly	Glu	Tyr	Cys	Trp	Arg	Trp	Thr	Gly
					185				190					195
Phe	Asn	Phe	Gly	Phe	Asp	Leu	Leu	Val	Thr	Tyr	Thr	Asn	Arg	Tyr
					200				205					210
Ile	Ile	Phe	Lys	Arg	Asn	Thr	Leu	Asn	Gln	Pro	Cys	Ser	Gly	Ser
					215				220					225
Val	Ser	Leu	Gln	Pro	Arg	Arg	Ser	Ile	Ala	Phe	Arg	Leu	Arg	Leu
					230				235					240
Ala	Ser	Phe	Asp	Ser	Ser	Gly	Lys	Leu	Ile	Cys	Ser	Arg	Thr	Thr
					245				250					255
Gly	Tyr	Gln	Ile	Leu	Thr	Leu	Glu	Lys	Asp	Gln	Glu	Gln	Val	Val
					260				265					270
Met	Asn	Leu	Asp	Ser	Arg	Leu	Leu	Ile	Phe	Pro	Leu	Tyr	Ile	Cys
					275				280					285
Cys	Asn	Phe	Leu	Tyr	Ile	Ser	Pro	Glu	Lys	Lys	Asn			
					290				295					

<210> 5

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1558289CD1

<400> 5

Met	Glu	Ser	Phe	Ser	Ser	Lys	Ser	Leu	Ala	Leu	Gln	Ala	Glu	Lys
1				5					10					15
Lys	Leu	Leu	Ser	Lys	Met	Ala	Gly	Arg	Ser	Val	Ala	His	Leu	Phe
					20				25					30
Ile	Asp	Glu	Thr	Ser	Ser	Glu	Val	Leu	Asp	Glu	Leu	Tyr	Arg	Val
					35				40					45
Ser	Lys	Glu	Tyr	Thr	His	Ser	Arg	Pro	Gln	Ala	Gln	Arg	Val	Ile
					50				55					60
Lys	Asp	Leu	Ile	Lys	Val	Ala	Ile	Lys	Val	Ala	Val	Leu	His	Arg
					65				70					75

Asn Gly Ser Phe Gly Pro Ser Glu Leu Ala Leu Ala Thr Arg Phe
 80 85 90
 Arg Gln Lys Leu Arg Gln Gly Ala Met Thr Ala Leu Ser Phe Gly
 95 100 105
 Glu Val Asp Phe Thr Phe Glu Ala Ala Val Leu Ala Gly Leu Leu
 110 115 120
 Thr Glu Cys Arg Asp Val Leu Leu Glu Leu Val Glu His His Leu
 125 130 135
 Thr Pro Lys Ser His Gly Arg Ile Arg His Val Phe Asp His Phe
 140 145 150
 Ser Asp Pro Gly Leu Leu Thr Ala Leu Tyr Gly Pro Asp Phe Thr
 155 160 165
 Gln His Leu Gly Lys Ile Cys Asp Gly Leu Arg Lys Leu Leu Asp
 170 175 180
 Glu Gly Lys Leu

<210> 6
 <211> 173
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1577739CD1

<400> 6
 Met Asp Val Arg Arg Val Leu Val Lys Ala Glu Met Glu Lys Phe
 1 5 10 15
 Leu Gln Asn Lys Glu Leu Phe Ser Ser Leu Lys Lys Gly Lys Ile
 20 25 30
 Cys Cys Cys Cys Arg Ala Lys Phe Pro Leu Phe Ser Trp Pro Pro
 35 40 45
 Ser Cys Leu Phe Cys Lys Arg Ala Val Cys Thr Ser Cys Ser Ile
 50 55 60
 Lys Met Lys Met Pro Ser Lys Lys Phe Gly His Ile Pro Val Tyr
 65 70 75
 Thr Leu Gly Phe Glu Ser Pro Gln Arg Val Ser Ala Ala Lys Thr
 80 85 90
 Ala Pro Ile Gln Arg Arg Asp Ile Phe Gln Ser Leu Gln Gly Pro
 95 100 105
 Gln Trp Gln Ser Val Glu Glu Ala Phe Pro His Ile Tyr Ser His
 110 115 120
 Gly Cys Val Leu Lys Asp Val Cys Ser Glu Cys Thr Ser Phe Val
 125 130 135
 Ala Asp Val Val Arg Ser Ser Arg Lys Ser Val Asp Val Leu Asn
 140 145 150
 Thr Thr Pro Arg Arg Ser Arg Gln Thr Gln Ser Leu Tyr Ile Pro
 155 160 165
 Asn Thr Arg Thr Leu Asp Phe Lys
 170

<210> 7
 <211> 591
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1752768CD1

<400> 7
 Met Val Pro Val Ala Val Thr Ala Ala Val Ala Pro Val Leu Ser
 1 5 10 15
 Ile Asn Ser Asp Phe Ser Asp Leu Arg Glu Ile Lys Lys Gln Leu

20	25	30
Leu Leu Ile Ala Gly	Leu Thr Arg Glu Arg Gly	Leu Leu His Ser
35	40	45
Ser Lys Trp Ser Ala Glu	Leu Ala Phe Ser	Leu Pro Ala Leu Pro
50	55	60
Leu Ala Glu Leu Gln	Pro Pro Pro Pro	Ile Thr Glu Glu Asp Ala
65	70	75
Gln Asp Met Asp Ala	Tyr Thr Leu Ala	Lys Ala Tyr Phe Asp Val
80	85	90
Lys Glu Tyr Asp Arg	Ala Ala His Phe	Leu His Gly Cys Asn Ser
95	100	105
Lys Lys Ala Tyr Phe	Leu Tyr Met Tyr	Ser Arg Tyr Leu Ser Gly
110	115	120
Glu Lys Lys Asp	Asp Glu Thr Val	Asp Ser Leu Gly Pro Leu
125	130	135
Glu Lys Gly Gln Val	Lys Asn Glu Ala	Leu Arg Glu Leu Arg Val
140	145	150
Glu Leu Ser Lys Lys	His Gln Ala Arg	Glu Leu Asp Gly Phe Gly
155	160	165
Leu Tyr Leu Tyr Gly	Val Val Leu Arg	Lys Leu Asp Leu Val Lys
170	175	180
Glu Ala Ile Asp Val	Phe Val Glu Ala	Thr His Val Leu Pro Leu
185	190	195
His Trp Gly Ala Trp	Leu Glu Leu Cys	Asn Leu Ile Thr Asp Lys
200	205	210
Glu Met Leu Lys Phe	Leu Ser Leu Pro	Asp Thr Trp Met Lys Glu
215	220	225
Phe Phe Leu Ala His	Ile Tyr Thr Glu	Leu Gln Leu Ile Glu Glu
230	235	240
Ala Leu Gln Lys Tyr	Gln Asn Leu Ile	Asp Val Gly Phe Ser Lys
245	250	255
Ser Ser Tyr Ile Val	Ser Gln Ile Ala	Val Ala Tyr His Asn Ile
260	265	270
Arg Asp Ile Asp Lys	Ala Leu Ser Ile	Phe Asn Glu Leu Arg Lys
275	280	285
Gln Asp Pro Tyr Arg	Ile Glu Asn Met	Asp Thr Phe Ser Asn Leu
290	295	300
Leu Tyr Val Arg Ser	Met Lys Ser Glu	Leu Ser Tyr Leu Ala His
305	310	315
Asn Leu Cys Glu Ile	Asp Lys Tyr Arg	Val Glu Thr Cys Cys Val
320	325	330
Ile Gly Asn Tyr Tyr	Ser Leu Arg Ser	Gln His Glu Lys Ala Ala
335	340	345
Leu Tyr Phe Gln Arg	Ala Leu Lys Leu	Asn Pro Arg Tyr Leu Gly
350	355	360
Ala Trp Thr Leu Met	Gly His Glu Tyr	Met Glu Met Lys Asn Thr
365	370	375
Ser Ala Ala Ile Gln	Ala Tyr Arg His	Ile Glu Val Asn Lys
380	385	390
Arg Asp Tyr Arg Ala	Trp Tyr Gly Leu	Gly Gln Thr Tyr Glu Ile
395	400	405
Leu Lys Met Pro Phe	Tyr Cys Leu Tyr	Tyr Cys Arg Arg Ala His
410	415	420
Gln Leu Arg Pro Asn	Asp Ser Arg Met	Leu Val Ala Leu Gly Glu
425	430	435
Cys Tyr Glu Lys Leu	Asn Gln Leu Val	Glu Ala Lys Lys Cys Tyr
440	445	450
Trp Arg Ala Tyr Ala	Val Gly Asp Val	Glu Lys Met Ala Leu Val
455	460	465
Lys Leu Ala Lys Leu	His Glu Gln Leu	Thr Glu Ser Glu Gln Ala
470	475	480
Ala Gln Cys Tyr Ile	Lys Tyr Ile Gln	Asp Ile Tyr Ser Cys Gly
485	490	495

Glu Ile Val Glu His Leu Glu Glu Ser Thr Ala Phe Arg Tyr Leu
 500 505 510
 Ala Gln Tyr Tyr Phe Lys Cys Lys Leu Trp Asp Glu Ala Ser Thr
 515 520 525
 Cys Ala Gln Lys Cys Cys Ala Phe Asn Asp Thr Arg Glu Glu Gly
 530 535 540
 Lys Ala Leu Leu Arg Gln Ile Leu Gln Leu Arg Asn Gln Gly Glu
 545 550 555
 Thr Pro Thr Thr Glu Val Pro Ala Pro Phe Phe Leu Pro Ala Ser
 560 565 570
 Leu Ser Ala Asn Asn Thr Pro Thr Arg Arg Val Ser Pro Leu Asn
 575 580 585
 Leu Ser Ser Val Thr Pro
 590

<210> 8
 <211> 463
 <212> PRT
 <213> Homo sapiens

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 <223> Incyte ID No: 1887228CD1

<400> 8

Met Pro Leu Leu Asn Trp Val Ala Leu Lys Pro Ser Gln Ile Thr
 1 5 10 15
 Gly Thr Val Phe Thr Glu Leu Asn Asp Glu Lys Val Leu Gln Glu
 20 25 30
 Leu Asp Met Ser Asp Phe Glu Glu Gln Phe Lys Thr Lys Ser Gln
 35 40 45
 Gly Pro Ser Leu Asp Leu Ser Ala Leu Lys Ser Lys Ala Ala Gln
 50 55 60
 Lys Ala Pro Ser Lys Ala Thr Leu Ile Glu Ala Asn Arg Ala Lys
 65 70 75
 Asn Leu Ala Ile Thr Leu Arg Lys Gly Asn Leu Gly Ala Glu Arg
 80 85 90
 Ile Cys Gln Ala Ile Glu Ala Tyr Asp Leu Gln Ala Leu Gly Leu
 95 100 105
 Asp Phe Leu Glu Leu Leu Met Arg Phe Leu Pro Thr Glu Tyr Glu
 110 115 120
 Arg Ser Leu Ile Thr Arg Phe Glu Arg Glu Gln Arg Pro Met Glu
 125 130 135
 Glu Leu Ser Glu Glu Asp Arg Phe Met Leu Cys Phe Ser Arg Ile
 140 145 150
 Pro Arg Leu Pro Glu Arg Met Thr Thr Leu Thr Phe Leu Gly Asn
 155 160 165
 Phe Pro Asp Thr Ala Gln Leu Leu Met Pro Gln Leu Asn Ala Ile
 170 175 180
 Ile Ala Ala Ser Met Ser Ile Lys Ser Ser Asp Lys Leu Arg Gln
 185 190 195
 Ile Leu Glu Ile Val Leu Ala Phe Gly Asn Tyr Met Asn Ser Ser
 200 205 210
 Lys Arg Gly Ala Ala Tyr Gly Phe Arg Leu Gln Ser Leu Asp Ala
 215 220 225
 Leu Leu Glu Met Lys Ser Thr Asp Arg Lys Gln Thr Leu Leu His
 230 235 240
 Tyr Leu Val Lys Val Ile Ala Glu Lys Tyr Pro Gln Leu Thr Gly
 245 250 255
 Phe His Ser Asp Leu His Phe Leu Asp Lys Ala Gly Ser Val Ser
 260 265 270
 Leu Asp Ser Val Leu Ala Asp Val Arg Ser Leu Gln Arg Gly Leu
 275 280 285
 Glu Leu Thr Gln Arg Glu Phe Val Arg Gln Asp Asp Cys Met Val

290	295	300
Leu Lys Glu Phe Leu Arg Ala Asn Ser Pro Thr Met Asp Lys Leu		
305	310	315
Leu Ala Asp Ser Lys Thr Ala Gln Glu Ala Phe Glu Ser Val Val		
320	325	330
Glu Tyr Phe Gly Glu Asn Pro Lys Thr Thr Ser Pro Gly Leu Phe		
335	340	345
Phe Ser Leu Phe Ser Arg Phe Ile Lys Ala Tyr Lys Lys Ala Glu		
350	355	360
Gln Glu Val Glu Gln Trp Lys Lys Glu Ala Ala Ala Gln Glu Ala		
365	370	375
Gly Ala Asp Thr Pro Gly Lys Gly Glu Pro Pro Ala Pro Lys Ser		
380	385	390
Pro Pro Lys Ala Arg Arg Pro Gln Met Asp Leu Ile Ser Glu Leu		
395	400	405
Lys Arg Arg Gln Gln Lys Glu Pro Leu Ile Tyr Glu Ser Asp Arg		
410	415	420
Asp Gly Ala Ile Glu Asp Ile Ile Thr Asp Leu Arg Asn Gln Pro		
425	430	435
Tyr Ile Arg Ala Asp Thr Gly Arg Arg Ser Ala Arg Arg Arg Pro		
440	445	450
Pro Gly Pro Pro Leu Gln Val Thr Ser Asp Leu Ser Leu		
455	460	
<210> 9		
<211> 270		
<212> PRT		
<213> Homo sapiens		
<220>		
<221> misc_feature		
<223> Incyte ID No: 1988468CD1		
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Met Ala Asp His Met Met Ala Met Asn His Gly Arg Phe Pro Asp		
1	5	10
Gly Thr Asn Gly Leu His His His Pro Ala His Arg Met Gly Met		
20	25	30
Gly Gln Phe Pro Ser Pro His His His Gln Gln Gln Gln Pro Gln		
35	40	45
His Ala Phe Asn Ala Leu Met Gly Glu His Ile His Tyr Gly Ala		
50	55	60
Gly Asn Met Asn Ala Thr Ser Gly Ile Arg His Ala Met Gly Pro		
65	70	75
Gly Thr Val Asn Gly Gly His Pro Pro Ser Ala Leu Ala Pro Ala		
80	85	90
Ala Arg Phe Asn Asn Ser Gln Phe Met Gly Pro Pro Val Ala Ser		
95	100	105
Gln Gly Gly Ser Leu Pro Ala Ser Met Gln Leu Gln Lys Leu Asn		
110	115	120
Asn Gln Tyr Phe Asn His His Pro Tyr Pro His Asn His Tyr Met		
125	130	135
Pro Asp Leu His Pro Ala Ala Gly His Gln Met Asn Gly Thr Asn		
140	145	150
Gln His Phe Arg Asp Cys Asn Pro Lys His Ser Gly Gly Ser Ser		
155	160	165
Thr Pro Gly Gly Ser Gly Gly Ser Ser Thr Pro Gly Gly Ser Gly		
170	175	180
Ser Ser Ser Gly Gly Gly Ala Gly Ser Ser Asn Ser Gly Gly Gly		
185	190	195
Ser Gly Ser Gly Asn Met Pro Ala Ser Val Ala His Val Pro Ala		
200	205	210
Ala Met Leu Pro Pro Asn Val Ile Asp Thr Asp Phe Ile Asp Glu		
215	220	225

Glu	Val	Leu	Met	Ser	Leu	Val	Ile	Glu	Met	Gly	Leu	Asp	Arg	Ile
230								235						240
Lys	Glu	Leu	Pro	Glu	Leu	Trp	Leu	Gly	Gln	Asn	Glu	Phe	Asp	Phe
245								250						255
Met	Thr	Asp	Phe	Val	Cys	Lys	Gln	Gln	Pro	Ser	Arg	Val	Ser	Cys
260								265						270

<210> 10
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 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2049176CD1

<400> 10															
Met	Val	Ser	Trp	Met	Ile	Ser	Arg	Ala	Val	Val	Leu	Val	Phe	Gly	
1				5					10					15	
Met	Leu	Tyr	Pro	Ala	Tyr	Tyr	Ser	Tyr	Lys	Ala	Val	Lys	Thr	Lys	
					20				25					30	
Asn	Val	Lys	Glu	Tyr	Val	Arg	Trp	Met	Met	Tyr	Trp	Ile	Val	Phe	
					35				40					45	
Ala	Leu	Tyr	Thr	Val	Ile	Glu	Thr	Val	Ala	Asp	Gln	Thr	Val	Ala	
					50				55					60	
Trp	Phe	Pro	Leu	Tyr	Tyr	Glu	Leu	Lys	Ile	Ala	Phe	Val	Ile	Trp	
					65				70					75	
Leu	Leu	Ser	Pro	Tyr	Thr	Lys	Gly	Ala	Ser	Leu	Ile	Tyr	Arg	Lys	
					80				85					90	
Phe	Leu	His	Pro	Leu	Leu	Ser	Ser	Lys	Glu	Arg	Glu	Ile	Asp	Asp	
					95				100					105	
Tyr	Ile	Val	Gln	Ala	Lys	Glu	Arg	Gly	Tyr	Glu	Thr	Met	Val	Asn	
					110				115					120	
Phe	Gly	Arg	Gln	Gly	Leu	Asn	Leu	Ala	Ala	Thr	Ala	Ala	Val	Thr	
					125				130					135	
Ala	Ala	Val	Lys	Ser	Gln	Gly	Ala	Ile	Thr	Glu	Arg	Leu	Arg	Ser	
					140				145					150	
Phe	Ser	Met	His	Asp	Leu	Thr	Thr	Ile	Gln	Gly	Asp	Glu	Pro	Val	
					155				160					165	
Gly	Gln	Arg	Pro	Tyr	Gln	Pro	Leu	Pro	Glu	Ala	Lys	Lys	Lys	Ser	
					170				175					180	
Lys	Pro	Ala	Pro	Ser	Glu	Ser	Ala	Gly	Tyr	Gly	Ile	Pro	Leu	Lys	
					185				190					195	
Asp	Gly	Asp	Glu	Lys	Thr	Asp	Glu	Glu	Ala	Glu	Gly	Pro	Tyr	Ser	
					200				205					210	
Asp	Asn	Glu	Met	Leu	Thr	His	Lys	Gly	Leu	Arg	Arg	Ser	Gln	Ser	
					215				220					225	
Met	Lys	Ser	Val	Lys	Thr	Thr	Lys	Gly	Arg	Lys	Glu	Val	Arg	Tyr	
					230				235					240	
Gly	Ser	Leu	Lys	Tyr	Lys	Val	Lys	Lys	Arg	Pro	Gln	Val	Tyr	Phe	
					245				250					255	

<210> 11
 <211> 533
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2686765CD1

<400> 11
 Met Ser Gly Thr Leu Glu Ser Leu Ala Asp Asp Val Ser Ser Met

1	5	10	15
Gly	Ser	Asp	Ser
Glu	Ile	Asn	Gly
		Leu	Ala
		Leu	Arg
			Lys
			Thr
			Asp
	20	25	30
Lys	Tyr	Gly	Phe
		Leu	Gly
		Gly	Ser
		Gln	Tyr
		Ser	Gly
			Ser
			Leu
			Glu
	35	40	45
Ser	Ser	Ile	Pro
		Val	Asp
		Asp	Val
		Ala	Arg
		Gln	Arg
		Glu	Leu
			Lys
			Trp
	50	55	60
Leu	Asp	Met	Phe
		Ser	Ser
		Asn	Trp
		Asp	Trp
		Lys	Leu
			Ser
			Arg
			Arg
			Phe
	65	70	75
Gln	Lys	Val	Lys
		Leu	Arg
		Cys	Arg
		Lys	Gly
		Ile	Pro
		Ser	Ser
			Leu
	80	85	90
Arg	Ala	Lys	Ala
		Trp	Gln
		Tyr	Tyr
		Leu	Ser
		Asn	Ser
			Lys
			Glu
			Leu
	95	100	105
Glu	Gln	Asn	Pro
		Gly	Lys
		Phe	Glu
		Glu	Leu
			Glu
			Arg
			Ala
	110	115	120
Asp	Pro	Lys	Trp
		Leu	Asp
		Val	Ile
		Glu	Lys
			Asp
			Leu
			His
	125	130	135
Phe	Pro	Phe	His
		Glu	Met
		Phe	Ala
		Ala	Arg
		Gly	Gly
		Gly	His
	140	145	150
Gln	Asp	Leu	Tyr
		Arg	Ile
		Leu	Lys
		Ala	Tyr
		Tyr	Thr
		Ile	Tyr
		Tyr	Arg
	155	160	165
Asp	Glu	Gly	Tyr
		Cys	Gln
		Ala	Gln
		Ala	Pro
		Val	Ala
		Ala	Ala
	170	175	180
Leu	Met	His	Met
		Pro	Ala
		Glu	Lys
		Pro	Phe
		Gly	Ala
		Trp	Val
	185	190	195
Ile	Cys	Asp	Lys
		Tyr	Leu
		Pro	Gly
		Tyr	Tyr
		Tyr	Ser
		Ala	Gly
	200	205	210
Ala	Ile	Gln	Leu
		Asp	Gly
		Glu	Ile
		Phe	Phe
		Ala	Leu
		Leu	Arg
	215	220	225
Ala	Ser	Pro	Leu
		Ala	His
		Arg	His
		Leu	Gln
		Gln	Arg
	230	235	240
Pro	Val	Leu	Tyr
		Met	Thr
		Glu	Trp
		Phe	Met
		Cys	Ile
	245	250	255
Thr	Leu	Pro	Trp
		Ala	Ser
		Val	Leu
		Arg	Val
	260	265	270
Cys	Glu	Gly	Val
		Lys	Ile
		Ile	Phe
		Arg	Val
	275	280	285
Arg	His	Thr	Leu
		Gly	Ser
		Val	Glu
		Lys	Leu
		Arg	Ser
	290	295	300
Met	Tyr	Glu	Thr
		Met	Glu
		Gln	Leu
		Arg	Asn
	305	310	315
Met	Gln	Glu	Asp
		Phe	Leu
		Val	His
		Glu	Val
	320	325	330
Thr	Glu	Ala	Leu
		Ile	Glu
		Arg	Glu
		Asn	Ala
	335	340	345
Trp	Arg	Glu	Thr
		Gly	Glu
		Leu	Gln
		Tyr	Arg
	350	355	360
Leu	His	Gly	Ser
		Arg	Ala
		Ile	His
		Glu	Glu
	365	370	375
Pro	Pro	Leu	Gly
		Pro	Ser
		Ser	Ser
		Leu	Leu
	380	385	390
Lys	Ser	Arg	Gly
		Ser	Arg
		Ala	Ala
		Gly	Gly
	395	400	405
Pro	Pro	Val	Arg
		Arg	Ala
		Ser	Ala
		Gly	Pro
	410	415	420
Val	Thr	Ala	Glu
		Gly	Leu
		His	Pro
		Ser	Leu
	425	430	435
Asn	Ser	Thr	Pro
		Leu	Gly
		Ser	Ser
		Lys	Glu
	440	445	450
Lys	Glu	Arg	Gln
		Lys	Gln
		Glu	Glu
		Lys	Glu
	455	460	465
Glu	Arg	Glu	Lys
		Glu	Arg
		Gln	Gln
		Lys	Glu
	470	475	480

Gln Glu Lys Glu Arg Glu Lys Gln Glu Lys Glu Arg Gln Lys Gln
 485 490 495
 Glu Lys Lys Ala Gln Gly Arg Lys Leu Ser Leu Arg Arg Lys Ala
 500 505 510
 Asp Gly Pro Pro Gly Pro His Asp Gly Gly Asp Arg Pro Ser Ala
 515 520 525
 Glu Ala Arg Gln Asp Ala Tyr Phe
 530

<210> 12
 <211> 160
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3215187CD1

<400> 12
 Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ser Leu Val
 1 5 10 15
 Leu Cys Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala
 20 25 30
 Phe Asp Glu Leu Arg Thr Asp Phe Lys Ser Pro Ile Asp Gln Cys
 35 40 45
 Asn Pro Val His Ala Arg Glu Arg Leu Arg Asn Ile Glu Arg Ile
 50 55 60
 Cys Phe Leu Leu Arg Lys Leu Val Leu Pro Glu Tyr Ser Ile His
 65 70 75
 Ser Leu Phe Cys Ile Met Phe Leu Cys Ala Gln Glu Trp Leu Thr
 80 85 90
 Leu Gly Leu Asn Val Pro Leu Leu Phe Tyr His Phe Trp Arg Tyr
 95 100 105
 Phe His Cys Pro Ala Asp Ser Ser Glu Leu Ala Tyr Asp Pro Pro
 110 115 120
 Val Val Met Asn Ala Asp Thr Leu Ser Tyr Cys Gln Lys Glu Ala
 125 130 135
 Trp Cys Lys Leu Ala Phe Tyr Leu Leu Ser Phe Phe Tyr Tyr Leu
 140 145 150
 Tyr Cys Met Ile Tyr Thr Leu Val Ser Ser
 155 160

<210> 13
 <211> 531
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3500375CD1

<400> 13
 Met Ala Asp Val Leu Ser Val Leu Arg Gln Tyr Asn Ile Gln Lys
 1 5 10 15
 Lys Glu Ile Val Val Lys Gly Asp Glu Val Ile Phe Gly Glu Phe
 20 25 30
 Ser Trp Pro Lys Asn Val Lys Thr Asn Tyr Val Val Trp Gly Thr
 35 40 45
 Gly Lys Glu Gly Gln Pro Arg Glu Tyr Tyr Thr Leu Asp Ser Ile
 50 55 60
 Leu Phe Leu Leu Asn Asn Val His Leu Ser His Pro Val Tyr Val
 65 70 75
 Arg Arg Ala Ala Thr Glu Asn Ile Pro Val Val Arg Arg Pro Asp
 80 85 90
 Arg Lys Asp Leu Leu Gly Tyr Leu Asn Gly Glu Ala Ser Thr Ser

95	100	105
Ala Ser Ile Asp Arg	Ser Ala Pro Leu Glu Ile Gly Leu Gln Arg	
110	115	120
Ser Thr Gln Val Lys	Arg Ala Ala Asp Glu Val Leu Ala Glu Ala	
125	130	135
Lys Lys Pro Arg Ile	Glu Asp Glu Glu Cys Val Arg Leu Asp Lys	
140	145	150
Glu Arg Leu Ala Ala	Arg Leu Glu Gly His Lys Glu Gly Ile Val	
155	160	165
Gln Thr Glu Gln Ile	Arg Ser Leu Ser Glu Ala Met Ser Val Glu	
170	175	180
Lys Ile Ala Ala Ile	Lys Ala Lys Ile Met Ala Lys Lys Arg Ser	
185	190	195
Thr Ile Lys Thr Asp	Leu Asp Asp Asp Ile Thr Ala Leu Lys Gln	
200	205	210
Arg Ser Phe Val Asp	Ala Glu Val Asp Val Thr Arg Asp Ile Val	
215	220	225
Ser Arg Glu Arg Val	Trp Arg Thr Arg Thr Thr Ile Leu Gln Ser	
230	235	240
Thr Gly Lys Asn Phe	Ser Lys Asn Ile Phe Ala Ile Leu Gln Ser	
245	250	255
Val Lys Ala Arg Glu	Glu Gly Arg Ala Pro Glu Gln Arg Pro Ala	
260	265	270
Pro Asn Ala Ala Pro	Val Asp Pro Thr Leu Arg Thr Lys Gln Pro	
275	280	285
Ile Pro Ala Ala Tyr	Asn Arg Tyr Asp Gln Glu Arg Phe Lys Gly	
290	295	300
Lys Glu Glu Thr Glu	Gly Phe Lys Ile Asp Thr Met Gly Thr Tyr	
305	310	315
His Gly Met Thr Leu	Lys Ser Val Thr Glu Gly Ala Ser Ala Arg	
320	325	330
Lys Thr Gln Thr Pro	Ala Ala Gln Pro Val Pro Arg Pro Val Ser	
335	340	345
Gln Ala Arg Pro Pro	Asn Gln Lys Lys Gly Ser Arg Thr Pro	
350	355	360
Ile Ile Ile Ile Pro	Ala Ala Thr Thr Ser Leu Ile Thr Met Leu	
365	370	375
Asn Ala Lys Asp Leu	Leu Gln Asp Leu Lys Phe Val Pro Ser Asp	
380	385	390
Glu Lys Lys Lys Gln	Gly Cys Gln Arg Glu Asn Glu Thr Leu Ile	
395	400	405
Gln Arg Arg Lys Asp	Gln Met Gln Pro Gly Gly Thr Ala Ile Ser	
410	415	420
Val Thr Val Pro Tyr	Arg Val Val Asp Gln Pro Leu Lys Leu Met	
425	430	435
Pro Gln Asp Trp Asp	Arg Val Ala Val Phe Val Gln Gly Pro	
440	445	450
Ala Trp Gln Phe Lys	Gly Trp Pro Trp Leu Leu Pro Asp Gly Ser	
455	460	465
Pro Val Asp Ile Phe	Ala Lys Ile Lys Ala Phe His Leu Lys Tyr	
470	475	480
Asp Glu Val Arg Leu	Asp Pro Asn Val Gln Lys Trp Asp Val Thr	
485	490	495
Val Leu Glu Leu Ser	Tyr His Lys Arg His Leu Asp Arg Pro Val	
500	505	510
Phe Leu Arg Phe Trp	Glu Thr Leu Asp Arg Tyr Met Val Lys His	
515	520	525
Lys Ser His Leu Arg	Phe	
530		
<210> 14		
<211> 165		
<212> PRT		
<213> Homo sapiens		

<220>
 <221> misc_feature
 <223> Incyte ID No: 5080410CD1

<400> 14
 Met Ala Ser Met Arg Glu Ser Asp Thr Gly Leu Trp Leu His Asn
 1 5 10 15
 Lys Leu Gly Ala Thr Asp Glu Leu Trp Ala Pro Pro Ser Ile Ala
 20 25 30
 Ser Leu Leu Thr Ala Ala Val Ile Asp Asn Ile Arg Leu Cys Phe
 35 40 45
 His Gly Leu Ser Ser Ala Val Lys Leu Lys Leu Leu Gly Thr
 50 55 60
 Leu His Leu Pro Arg Arg Thr Val Asp Glu His Pro Ile Leu Pro
 65 70 75
 Met Lys Gly Ala Leu Met Glu Ile Ile Gln Leu Ala Ser Leu Asp
 80 85 90
 Ser Asp Pro Trp Val Leu Met Val Ala Asp Ile Leu Lys Ser Phe
 95 100 105
 Pro Asp Thr Gly Ser Leu Asn Leu Glu Leu Glu Glu Gln Asn Pro
 110 115 120
 Asn Val Gln Asp Ile Leu Gly Glu Leu Arg Glu Lys Val Gly Glu
 125 130 135
 Cys Glu Ala Ser Ala Met Leu Pro Leu Glu Cys Gln Tyr Leu Asn
 140 145 150
 Lys Asn Ala Ala Asp Asp Pro Arg Gly Thr Pro His Ser Pro Gly
 155 160 165

<210> 15
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5218248CD1

<400> 15
 Met Ser Asn Met Glu Lys His Leu Phe Asn Leu Lys Phe Ala Ala
 1 5 10 15
 Lys Glu Leu Ser Arg Ser Ala Lys Lys Cys Asp Lys Glu Glu Lys
 20 25 30
 Ala Glu Lys Ala Lys Ile Lys Lys Ala Ile Gln Lys Gly Asn Met
 35 40 45
 Glu Val Ala Arg Ile His Ala Glu Asn Ala Ile Arg Gln Lys Asn
 50 55 60
 Gln Ala Val Asn Phe Leu Arg Met Ser Ala Arg Val Asp Ala Val
 65 70 75
 Ala Ala Arg Val Gln Thr Ala Val Thr Met Gly Lys Val Thr Lys
 80 85 90
 Ser Met Ala Gly Val Val Lys Ser Met Asp Ala Thr Leu Lys Thr
 95 100 105
 Met Asn Leu Glu Lys Ile Ser Ala Leu Met Asp Lys Phe Glu His
 110 115 120
 Gln Phe Glu Thr Leu Asp Val Gln Thr Gln Gln Met Glu Asp Thr
 125 130 135
 Met Ser Ser Thr Thr Leu Thr Thr Pro Gln Asn Gln Val Asp
 140 145 150
 Met Leu Leu Gln Glu Met Ala Asp Glu Ala Gly Leu Asp Leu Asn
 155 160 165
 Met Glu Leu Pro Gln Gly Gln Thr Gly Ser Val Gly Thr Ser Val
 170 175 180
 Ala Ser Ala Glu Gln Asp Glu Leu Ser Gln Arg Leu Ala Arg Leu

185	190	195
Arg Asp Gln Val		

<210> 16
 <211> 168
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 058336CD1

<400> 16
 Met Ala Phe Asn Asp Cys Phe Ser Leu Asn Tyr Pro Gly Asn Pro
 1 5 10 15
 Cys Pro Gly Asp Leu Ile Glu Val Phe Arg Pro Gly Tyr Gln His
 20 25 30
 Trp Ala Leu Tyr Leu Gly Asp Gly-Tyr Val Ile Asn Ile Ala Pro
 35 40 45
 Val Asp Gly Ile Pro Ala Ser Phe Thr Ser Ala Lys Ser Val Phe
 50 55 60
 Ser Ser Lys Ala Leu Val Lys Met Gln Leu Leu Lys Asp Val Val
 65 70 75
 Gly Asn Asp Thr Tyr Arg Ile Asn Asn Lys Tyr Asp Glu Thr Tyr
 80 85 90
 Pro Pro Leu Pro Val Glu Glu Ile Ile Lys Arg Ser Glu Phe Val
 95 100 105
 Ile Gly Gln Glu Val Ala Tyr Asn Leu Leu Val Asn Asn Cys Glu
 110 115 120
 His Phe Val Thr Leu Leu Arg Tyr Gly Glu Gly Val Ser Glu Gln
 125 130 135
 Ala Asn Arg Ala Ile Ser Thr Val Glu Phe Val Thr Ala Ala Val
 140 145 150
 Gly Val Phe Ser Phe Leu Gly Leu Phe Pro Lys Gly Gln Arg Ala
 155 160 165
 Lys Tyr Tyr

<210> 17
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1511488CD1

<400> 17
 Met Leu Arg Ala Val Gly Ser Leu Leu Arg Leu Gly Arg Gly Leu
 1 5 10 15
 Thr Val Arg Cys Gly Pro Gly Ala Pro Leu Glu Ala Thr Arg Arg
 20 25 30
 Pro Ala Pro Ala Leu Pro Pro Arg Gly Leu Pro Cys Tyr Ser Ser
 35 40 45
 Gly Gly Ala Pro Ser Asn Ser Gly Pro Gln Gly His Gly Glu Ile
 50 55 60
 His Arg Val Pro Thr Gln Arg Arg Pro Ser Gln Phe Asp Lys Lys
 65 70 75
 Ile Leu Leu Trp Thr Gly Arg Phe Lys Ser Met Glu Glu Ile Pro
 80 85 90
 Pro Arg Ile Pro Pro Glu Met Ile Asp Thr Ala Arg Asn Lys Ala
 95 100 105
 Arg Val Lys Ala Cys Tyr Ile Met Ile Gly Leu Thr Ile Ile Ala
 110 115 120

Cys Phe Ala Val Ile Val Ser Ala Lys Arg Ala Val Glu Arg His
 125 130 135
 Glu Ser Leu Thr Ser Trp Asn Leu Ala Lys Lys Ala Lys Trp Arg
 140 145 150
 Glu Glu Ala Ala Leu Ala Ala Gln Ala Lys Ala Lys
 155 160

<210> 18
 <211> 246
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1638819CD1

<400> 18
 Met Ala Gly Tyr Leu Lys Leu Val Cys Val Ser Phe Gln Arg Gln
 1 5 10 15
 Gly Phe His Thr Val Gly Ser Arg Cys Lys Asn Arg Thr Gly Ala
 20 25 30
 Glu His Leu Trp Leu Thr Arg His Leu Arg Asp Pro Phe Val Lys
 35 40 45
 Ala Ala Lys Val Glu Ser Tyr Arg Cys Arg Ser Ala Phe Lys Leu
 50 55 60
 Leu Glu Val Asn Glu Arg His Gln Ile Leu Arg Pro Gly Leu Arg
 65 70 75
 Val Leu Asp Cys Gly Ala Ala Pro Gly Ala Trp Ser Gln Val Ala
 80 85 90
 Val Gln Lys Val Asn Ala Ala Gly Thr Asp Pro Ser Ser Pro Val
 95 100 105
 Gly Phe Val Leu Gly Val Asp Leu Leu His Ile Phe Pro Leu Glu
 110 115 120
 Gly Ala Thr Phe Leu Cys Pro Ala Asp Val Thr Asp Pro Arg Thr
 125 130 135
 Ser Gln Arg Ile Leu Glu Val Leu Pro Gly Arg Arg Ala Asp Val
 140 145 150
 Ile Leu Ser Asp Met Ala Pro Asn Ala Thr Gly Phe Arg Asp Leu
 155 160 165
 Asp His Asp Arg Leu Ile Ser Leu Cys Leu Thr Leu Leu Ser Val
 170 175 180
 Thr Pro Asp Ile Leu Gln Pro Gly Gly Thr Phe Leu Cys Lys Thr
 185 190 195
 Trp Ala Gly Ser Gln Ser Arg Arg Leu Gln Arg Arg Leu Thr Glu
 200 205 210
 Glu Phe Gln Asn Val Arg Ile Ile Lys Pro Glu Ala Ser Arg Lys
 215 220 225
 Glu Ser Ser Glu Val Tyr Phe Leu Ala Thr Gln Tyr His Gly Arg
 230 235 240
 Lys Gly Thr Val Lys Gln
 245

<210> 19
 <211> 483
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1655123CD1

<400> 19
 Met Glu Glu Gly Gly Gly Val Arg Ser Leu Val Pro Gly Gly
 1 5 10 15
 Pro Val Leu Leu Val Leu Cys Gly Leu Leu Glu Ala Ser Gly Gly

20	25	30
Gly Arg Ala Leu Pro Gln Leu Ser Asp Asp	Ile Pro Phe Arg Val	
35	40	45
Asn Trp Pro Gly Thr Glu Phe Ser Leu Pro Thr Thr Gly Val Leu		
50	55	60
Tyr Lys Glu Asp Asn Tyr Val Ile Met Thr Thr Ala His Lys Glu		
65	70	75
Lys Tyr Lys Cys Ile Leu Pro Leu Val Thr Ser Gly Asp Glu Glu		
80	85	90
Glu Glu Lys Asp Tyr Lys Gly Pro Asn Pro Arg Glu Leu Leu Glu		
95	100	105
Pro Leu Phe Lys Gln Ser Ser Cys Ser Tyr Arg Ile Glu Ser Tyr		
110	115	120
Trp Thr Tyr Glu Val Cys His Gly Lys His Ile Arg Gln Tyr His		
125	130	135
Glu Glu Lys Glu Thr Gly Gln Lys Ile Asn Ile His Glu Tyr Tyr		
140	145	150
Leu Gly Asn Met Leu Ala Lys Asn Leu Leu Phe Glu Lys Glu Arg		
155	160	165
Glu Ala Glu Glu Lys Glu Lys Ser Asn Glu Ile Pro Thr Lys Asn		
170	175	180
Ile Glu Gly Gln Met Thr Pro Tyr Tyr Pro Val Gly Met Gly Asn		
185	190	195
Gly Thr Pro Cys Ser Leu Lys Gln Asn Arg Pro Arg Ser Ser Thr		
200	205	210
Val Met Tyr Ile Cys His Pro Glu Ser Lys His Glu Ile Leu Ser		
215	220	225
Val Ala Glu Val Thr Thr Cys Glu Tyr Glu Val Val Ile Leu Thr		
230	235	240
Pro Leu Leu Cys Ser His Pro Lys Tyr Arg Phe Arg Ala Ser Pro		
245	250	255
Val Asn Asp Ile Phe Cys Gln Ser Leu Pro Gly Ser Pro Phe Lys		
260	265	270
Pro Leu Thr Leu Arg Gln Leu Glu Gln Gln Glu Glu Ile Leu Arg		
275	280	285
Val Pro Phe Arg Arg Asn Lys Glu Glu Asp Leu Gln Ser Thr Lys		
290	295	300
Glu Glu Arg Phe Pro Ala Ile His Lys Ser Ile Ala Ile Gly Ser		
305	310	315
Gln Pro Val Leu Thr Val Gly Thr Thr His Ile Ser Lys Leu Thr		
320	325	330
Asp Asp Gln Leu Ile Lys Glu Phe Leu Ser Gly Ser Tyr Cys Phe		
335	340	345
Arg Gly Gly Val Gly Trp Trp Lys Tyr Glu Phe Cys Tyr Gly Lys		
350	355	360
His Val His Gln Tyr His Glu Asp Lys Asp Ser Gly Lys Thr Ser		
365	370	375
Val Val Val Gly Thr Trp Asn Gln Glu Glu His Ile Glu Trp Ala		
380	385	390
Lys Lys Asn Thr Ala Arg Ala Tyr His Leu Gln Asp Asp Gly Thr		
395	400	405
Gln Thr Val Arg Met Val Ser His Phe Tyr Gly Asn Gly Asp Ile		
410	415	420
Cys Asp Ile Thr Asp Lys Pro Arg Gln Val Thr Val Lys Leu Lys		
425	430	435
Cys Lys Glu Ser Asp Ser Pro His Ala Val Thr Val Tyr Met Leu		
440	445	450
Glu Pro His Ser Cys Gln Tyr Ile Leu Gly Val Glu Ser Pro Val		
455	460	465
Ile Cys Lys Ile Leu Asp Thr Ala Asp Glu Asn Gly Leu Leu Ser		
470	475	480
Leu Pro Asn		

<210> 20
 <211> 280
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 2553926CD1

 <400> 20
 Met Glu Ala Ala Glu Thr Glu Ala Glu Ala Ala Leu Glu Val
 1 5 10 15
 Leu Ala Glu Val Ala Gly Ile Leu Glu Pro Val Gly Leu Gln Glu
 20 25 30
 Glu Ala Glu Leu Pro Ala Lys Ile Leu Val Glu Phe Val Val Asp
 35 40 45
 Ser Gln Lys Lys Asp Lys Leu Leu Cys Ser Gln Leu Gln Val Ala
 50 55 60
 Asp Phe Leu Gln Asn Ile Leu Ala Gln Glu Asp Thr Ala Lys Gly
 65 70 75
 Leu Asp Pro Leu Ala Ser Glu Asp Thr Ser Arg Gln Lys Ala Ile
 80 85 90
 Ala Ala Lys Glu Gln Trp Lys Glu Leu Lys Ala Thr Tyr Arg Glu
 95 100 105
 His Val Glu Ala Ile Lys Ile Gly Leu Thr Lys Ala Leu Thr Gln
 110 115 120
 Met Glu Glu Ala Gln Arg Lys Arg Thr Gln Leu Arg Glu Ala Phe
 125 130 135
 Glu Gln Leu Gln Ala Lys Lys Gln Met Ala Met Glu Lys Arg Arg
 140 145 150
 Ala Val Gln Asn Gln Trp Gln Leu Gln Gln Glu Lys His Leu Gln
 155 160 165
 His Leu Ala Glu Val Ser Ala Glu Val Arg Glu Arg Lys Thr Gly
 170 175 180
 Thr Gln Gln Glu Leu Asp Gly Val Phe Gln Lys Leu Gly Asn Leu
 185 190 195
 Lys Gln Gln Ala Glu Gln Glu Arg Asp Lys Leu Gln Arg Tyr Gln
 200 205 210
 Thr Phe Leu Gln Leu Leu Tyr Thr Leu Gln Gly Lys Leu Leu Phe
 215 220 225
 Pro Glu Ala Glu Ala Glu Ala Glu Asn Leu Pro Asp Asp Lys Pro
 230 235 240
 Gln Gln Pro Thr Arg Pro Gln Glu Gln Ser Thr Gly Asp Thr Met
 245 250 255
 Gly Arg Asp Pro Gly Val Ser Phe Lys Phe Ser Lys Ala Val Gly
 260 265 270
 Leu Gln Pro Ala Gly Asp Val Asn Leu Pro
 275 280

 <210> 21
 <211> 425
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 2800717CD1

 <400> 21
 Met Gly Glu Asp Ala Ala Gln Ala Glu Lys Phe Gln His Pro Gly
 1 5 10 15
 Ser Asp Met Arg Gln Glu Lys Pro Ser Ser Pro Ser Pro Met Pro
 20 25 30
 Ser Ser Thr Pro Ser Pro Ser Leu Asn Leu Gly Asn Thr Glu Glu

35	40	45
Ala Ile Arg Asp Asn Ser Gln Val Asn Ala Val Thr Val Leu Thr		
50	55	60
Leu Leu Asp Lys Leu Val Asn Met Leu Asp Ala Val Gln Glu Asn		
65	70	75
Gln His Lys Met Glu Gln Arg Gln Ile Ser Leu Glu Gly Ser Val		
80	85	90
Lys Gly Ile Gln Asn Asp Leu Thr Lys Leu Ser Lys Tyr Gln Ala		
95	100	105
Ser Thr Ser Asn Thr Val Ser Lys Leu Leu Glu Lys Ser Arg Lys		
110	115	120
Val Ser Ala His Thr Arg Ala Val Lys Glu Arg Met Asp Arg Gln		
125	130	135
Cys Ala Gln Val Lys Arg Leu Glu Asn Asn His Ala Gln Leu Leu		
140	145	150
Arg Arg Asn His Phe Lys Val Leu Ile Phe Gln Glu Glu Asn Glu		
155	160	165
Ile Pro Ala Ser Val Phe Val Lys Gln Pro Val Ser Gly Ala Val		
170	175	180
Glu Gly Lys Glu Glu Leu Pro Asp Glu Asn Lys Ser Leu Glu Glu		
185	190	195
Thr Leu His Thr Val Asp Leu Ser Ser Asp Asp Asp Leu Pro His		
200	205	210
Asp Glu Glu Ala Leu Glu Asp Ser Ala Glu Glu Lys Val Glu Glu		
215	220	225
Ser Arg Ala Glu Lys Ile Lys Arg Ser Ser Leu Lys Lys Val Asp		
230	235	240
Ser Leu Lys Lys Ala Phe Ser Arg Gln Asn Ile Glu Lys Lys Met		
245	250	255
Asn Lys Leu Gly Thr Lys Ile Val Ser Val Glu Arg Arg Glu Lys		
260	265	270
Ile Lys Lys Ser Leu Thr Ser Asn His Gln Lys Ile Ser Ser Gly		
275	280	285
Lys Ser Ser Pro Phe Lys Val Ser Pro Leu Thr Phe Gly Arg Lys		
290	295	300
Lys Val Arg Glu Gly Glu Ser His Ala Glu Asn Glu Thr Lys Ser		
305	310	315
Glu Asp Leu Pro Ser Ser Glu Gln Met Pro Asn Asp Gln Glu Glu		
320	325	330
Glu Ser Phe Ala Glu Gly His Ser Glu Ala Ser Leu Ala Ser Ala		
335	340	345
Leu Val Glu Gly Glu Ile Ala Glu Glu Ala Ala Glu Lys Ala Thr		
350	355	360
Ser Arg Gly Ser Asn Ser Gly Met Asp Ser Asn Ile Asp Leu Thr		
365	370	375
Ile Val Glu Asp Glu Glu Glu Glu Ser Val Ala Leu Glu Gln Ala		
380	385	390
Gln Lys Val Arg Tyr Glu Gly Ser Tyr Ala Leu Thr Ser Glu Glu		
395	400	405
Ala Glu Arg Ser Asp Gly Asp Pro Val Gln Pro Ala Val Leu Gln		
410	415	420
Val His Gln Thr Ser		
425		
<210> 22		
<211> 128		
<212> PRT		
<213> Homo sapiens		
<220>		
<221> misc_feature		
<223> Incyte ID No: 5664154CD1		
<400> 22		

Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu
 1 5 10 15
 Asn Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val
 20 25 30
 Ala Asn Lys Gly Glu Pro Leu Ala Leu Pro Leu Asn Val Ser Glu
 35 40 45
 Tyr Cys Val Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln
 50 55 60
 Pro Ile Leu Gln Tyr Arg Trp Asp Ile Met His Arg Leu Gly Glu
 65 70 75
 Pro Gln Ala Arg Met Arg Glu Glu Asn Met Glu Arg Ile Gly Glu
 80 85 90
 Glu Val Arg Gln Leu Met Glu Lys Leu Arg Glu Lys Gln Leu Ser
 95 100 105
 His Ser Leu Arg Ala Val Ser Thr Asp Pro Pro His His Asp His
 110 115 120
 His Asp Glu Phe Cys Leu Met Pro
 125
 <210> 23
 <211> 113
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 017900CD1

 <400> 23
 Met Asp Gly Arg Val Gln Leu Ile Lys Ala Leu Leu Ala Leu Pro
 1 5 10 15
 Ile Arg Pro Ala Thr Arg Arg Trp Arg Asn Pro Ile Pro Phe Pro
 20 25 30
 Glu Thr Phe Asp Gly Asp Thr Asp Arg Leu Pro Glu Phe Ile Val
 35 40 45
 Gln Thr Gly Ser Tyr Met Phe Val Asp Glu Asn Thr Phe Ser Ser
 50 55 60
 Asp Ala Leu Lys Val Thr Phe Leu Ile Thr Arg Leu Thr Gly Pro
 65 70 75
 Ala Leu Gln Trp Val Ile Pro Tyr Ile Lys Lys Glu Ser Pro Leu
 80 85 90
 Leu Asn Asp Tyr Arg Gly Phe Leu Ala Glu Met Lys Arg Val Phe
 95 100 105
 Gly Trp Glu Glu Asp Glu Asp Phe
 110
 <210> 24
 <211> 308
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 035102CD1

 <400> 24
 Met Leu Gln Thr Pro Glu Ser Arg Gly Leu Pro Val Pro Gln Ala
 1 5 10 15
 Glu Gly Glu Lys Asp Gly Gly His Asp Gly Glu Thr Arg Ala Pro
 20 25 30
 Thr Ala Ser Gln Glu Arg Pro Lys Glu Glu Leu Gly Ala Gly Arg
 35 40 45
 Glu Glu Gly Ala Ala Glu Pro Ala Leu Thr Arg Lys Gly Ala Arg
 50 55 60
 Ala Leu Ala Ala Lys Ser Leu Ala Arg Arg Ala Tyr Arg Arg

65	70	75
Leu Asn Arg Thr Val	Ala Glu Leu Val Gln	Phe Leu Leu Val Lys
80	85	90
Asp Lys Lys Lys Ser	Pro Ile Thr Arg Ser	Glu Met Val Lys Tyr
95	100	105
Val Ile Gly Asp Leu	Lys Ile Leu Phe Pro	Asp Ile Ile Ala Arg
110	115	120
Ala Ala Glu His Leu	Arg Tyr Val Phe Gly	Phe Glu Leu Lys Gln
125	130	135
Phe Asp Arg Lys His	His Thr Tyr Ile Leu	Ile Asn Lys Leu Lys
140	145	150
Pro Leu Glu Glu Glu	Glu Glu Glu Asp	Leu Gly Gly Asp Gly
155	160	165
Pro Arg Leu Gly Leu	Leu Met Met Ile	Leu Gly Leu Ile Tyr Met
170	175	180
Arg Gly Asn Ser Ala	Arg Glu Ala Gln Val	Trp Glu Met Leu Arg
185	190	195
Arg Leu Gly Val Gln	Pro Ser Lys Tyr His	Phe Leu Phe Gly Tyr
200	205	210
Pro Lys Arg Leu Ile	Met Glu Asp Phe Val	Gln Gln Arg Tyr Leu
215	220	225
Ser Tyr Arg Arg Val	Pro His Thr Asn Pro	Pro Ala Tyr Glu Phe
230	235	240
Ser Trp Gly Pro Arg	Ser Asn Leu Glu Ile	Ser Lys Met Glu Val
245	250	255
Leu Gly Phe Val Ala	Lys Leu His Lys	Glu Pro Gln His Trp
260	265	270
Pro Val Gln Tyr Arg	Glu Ala Leu Ala Asp	Glu Ala Asp Arg Ala
275	280	285
Arg Ala Lys Ala Arg	Ala Glu Ala Ser Met	Arg Ala Arg Ala Ser
290	295	300
Ala Arg Ala Gly Ile	His Leu Trp	
305		

<210> 25

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 259983CD1

<400> 25

Met Phe Gly Phe His Lys Pro Lys Met	Tyr Arg Ser Ile Glu Gly		
1	5	10	15
Cys Cys Ile Cys Arg Ala Lys Ser Ser	Ser Ser Arg Phe Thr Asp		
20	25	30	
Ser Lys Arg Tyr Glu Lys Asp Phe Gln	Ser Cys Phe Gly Leu His		
35	40	45	
Glu Thr Arg Ser Gly Asp Ile Cys Asn	Ala Cys Val Leu Leu Val		
50	55	60	
Lys Arg Trp Lys Lys Leu Pro Ala Gly	Ser Lys Lys Asn Trp Asn		
65	70	75	
His Val Val Asp Ala Arg Ala Gly Pro	Ser Leu Lys Thr Thr Leu		
80	85	90	
Lys Pro Lys Lys Val Lys Thr Leu Ser	Gly Asn Arg Ile Lys Ser		
95	100	105	
Asn Gln Ile Ser Lys Leu Gln Lys Glu	Phe Lys Arg His Asn Ser		
110	115	120	
Asp Ala His Ser Thr Thr Ser Ser Ala	Ser Pro Ala Gln Ser Pro		
125	130	135	
Cys Tyr Ser Asn Gln Ser Asp Asp Gly	Ser Asp Thr Glu Met Ala		
140	145	150	

Ser Gly Ser Asn Arg Thr Pro Val Phe Ser Phe Leu Asp Leu Thr
 155 160 165
 Tyr Trp Lys Arg Gln Lys Ile Cys Cys Gly Ile Ile Tyr Lys Gly
 170 175 180
 Arg Phe Gly Glu Val Leu Ile Asp Thr His Leu Phe Lys Pro Cys
 185 190 195
 Cys Ser Asn Lys Lys Ala Ala Ala Glu Lys Pro Glu Glu Gln Gly
 200 205 210
 Pro Glu Pro Leu Pro Ile Ser Thr Gln Glu Trp
 215 220
 <210> 26
 <211> 402
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No: 926810CD1
 <400> 26
 Met Ala Ser Ile Ile Ala Arg Val Gly Asn Ser Arg Arg Leu Asn
 1 5 10 15
 Ala Pro Leu Pro Pro Trp Ala His Ser Met Leu Arg Ser Leu Gly
 20 25 30
 Arg Ser Leu Gly Pro Ile Met Ala Ser Met Ala Asp Arg Asn Met
 35 40 45
 Lys Leu Phe Ser Gly Arg Val Val Pro Ala Gln Gly Glu Glu Thr
 50 55 60
 Phe Glu Asn Trp Leu Thr Gln Val Asn Gly Val Leu Pro Asp Trp
 65 70 75
 Asn Met Ser Glu Glu Lys Leu Lys Arg Leu Met Lys Thr Leu
 80 85 90
 Arg Gly Pro Ala Arg Glu Val Met Arg Val Leu Gln Ala Thr Asn
 95 100 105
 Pro Asn Leu Ser Val Ala Asp Phe Leu Arg Ala Met Lys Leu Val
 110 115 120
 Phe Gly Glu Ser Glu Ser Ser Val Thr Ala His Gly Lys Phe Phe
 125 130 135
 Asn Thr Leu Gln Ala Gln Gly Glu Lys Ala Ser Leu Tyr Val Ile
 140 145 150
 Arg Leu Glu Val Gln Leu Gln Asn Ala Ile Gln Ala Gly Ile Ile
 155 160 165
 Ala Glu Lys Asp Ala Asn Arg Thr Arg Leu Gln Gln Leu Leu Leu
 170 175 180
 Gly Gly Glu Leu Ser Arg Asp Leu Arg Leu Arg Leu Lys Asp Phe
 185 190 195
 Leu Arg Met Tyr Ala Asn Glu Gln Glu Arg Leu Pro Asn Phe Leu
 200 205 210
 Glu Leu Ile Arg Met Val Arg Glu Glu Glu Asp Trp Asp Asp Ala
 215 220 225
 Phe Ile Lys Arg Lys Arg Pro Lys Arg Ser Glu Ser Met Val Glu
 230 235 240
 Arg Ala Val Ser Pro Val Ala Phe Gln Gly Ser Pro Pro Ile Val
 245 250 255
 Ile Gly Ser Ala Asp Cys Asn Val Ile Glu Ile Asp Asp Thr Leu
 260 265 270
 Asp Asp Ser Asp Glu Asp Val Ile Leu Val Glu Ser Gln Asp Pro
 275 280 285
 Pro Leu Pro Ser Trp Gly Ala Pro Pro Leu Arg Asp Arg Ala Arg
 290 295 300
 Pro Gln Asp Glu Val Leu Val Ile Asp Ser Pro His Asn Ser Arg
 305 310 315
 Ala Gln Phe Pro Ser Thr Ser Gly Gly Ser Gly Tyr Lys Asn Asn

320	325	330
Gly Pro Gly Glu Met Arg Arg Ala Arg Lys Arg Lys His Thr Ile		
335	340	345
Arg Cys Ser Tyr Cys Gly Glu Glu Gly His Ser Lys Glu Thr Cys		
350	355	360
Asp Asn Glu Ser Asp Lys Ala Gln Val Phe Glu Asn Leu Ile Ile		
365	370	375
Thr Leu Gln Glu Leu Thr His Thr Glu Met Glu Arg Ser Arg Val		
380	385	390
Ala Pro Gly Glu Tyr Asn Asp Phe Ser Glu Pro Leu		
395	400	

<210> 27

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1398816CD1

<400> 27

Met Ser Thr Asp Thr Gly Val Ser Leu Pro Ser Tyr Glu Glu Asp			
1	5	10	15
Gln Gly Ser Lys Leu Ile Arg Lys Ala Lys Glu Ala Pro Phe Val			
20	25	30	
Pro Val Gly Ile Ala Gly Phe Ala Ala Ile Val Ala Tyr Gly Leu			
35	40	45	
Tyr Lys Leu Lys Ser Arg Gly Asn Thr Lys Met Ser Ile His Leu			
50	55	60	
Ile His Met Arg Val Ala Ala Gln Gly Phe Val Val Gly Ala Met			
65	70	75	
Thr Val Gly Met Gly Tyr Ser Met Tyr Arg Glu Phe Trp Ala Lys			
80	85	90	
Pro Lys Pro			

<210> 28

<211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1496820CD1

<400> 28

Met Asn Arg Glu Asp Arg Asn Val Leu Arg Met Lys Glu Arg Glu			
1	5	10	15
Arg Arg Asn Gln Glu Ile Gln Gln Gly Glu Asp Ala Phe Pro Pro			
20	25	30	
Ser Ser Pro Leu Phe Ala Glu Pro Tyr Lys Val Thr Ser Lys Glu			
35	40	45	
Asp Lys Leu Ser Ser Arg Ile Gln Ser Met Leu Gly Asn Tyr Asp			
50	55	60	
Glu Met Lys Asp Phe Ile Gly Asp Arg Ser Ile Pro Lys Leu Val			
65	70	75	
Ala Ile Pro Lys Pro Thr Val Pro Pro Ser Ala Asp Glu Lys Ser			
80	85	90	
Asn Pro Asn Phe Phe Glu Gln Arg His Gly Gly Ser His Gln Ser			
95	100	105	
Ser Lys Trp Thr Pro Val Gly Pro Ala Pro Ser Thr Ser Gln Ser			
110	115	120	
Gln Lys Arg Ser Ser Gly Leu Gln Ser Gly His Ser Ser Gln Arg			
125	130	135	

Thr Ser Ala Gly Ser Ser Ser Gly Thr Asn Ser Ser Gly Gln Arg
 140 145 150
 His Asp Arg Glu Ser Tyr Asn Asn Ser Gly Ser Ser Ser Arg Lys
 155 160 165
 Lys Gly Gln His Gly Ser Glu His Ser Lys Ser Arg Ser Ser Ser
 170 175 180
 Pro Gly Lys Pro Gln Ala Val Ser Ser Leu Asn Ser Ser His Ser
 185 190 195
 Arg Ser His Gly Asn Asp His His Ser Lys Glu His Gln Arg Ser
 200 205 210
 Lys Ser Pro Arg Asp Pro Asp Ala Asn Trp Asp Ser Pro Ser Arg
 215 220 225
 Val Pro Phe Ser Ser Gly Gln His Ser Thr Gln Ser Phe Pro Pro
 230 235 240
 Ser Leu Met Ser Lys Ser Asn Ser Met Leu Gln Lys Pro Thr Ala
 245 250 255
 Tyr Val Arg Pro Met Asp Gly Gln Glu Ser Met Glu Pro Lys Leu
 260 265 270
 Ser Ser Glu His Tyr Ser Ser Gln Ser His Gly Asn Ser Met Thr
 275 280 285
 Glu Leu Lys Pro Ser Ser Lys Ala His Leu Thr Lys Leu Lys Ile
 290 295 300
 Pro Ser Gln Pro Leu Asp Ala Ser Ala Ser Gly Asp Val Ser Cys
 305 310 315
 Val Asp Glu Ile Leu Lys Glu Met Thr His Ser Trp Pro Pro Pro
 320 325 330
 Leu Thr Ala Ile His Thr Pro Cys Lys Thr Glu Pro Ser Lys Phe
 335 340 345
 Pro Phe Pro Thr Lys Val Ser Lys
 350

<210> 29
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1514559CD1

<400> 29
 Met Ser Glu Pro Ala Gly Asp Val Arg Gln Asn Pro Cys Gly Ser
 1 5 10 15
 Lys Ala Cys Arg Arg Leu Phe Gly Pro Val Asp Ser Glu Gln Leu
 20 25 30
 Ser Arg Asp Cys Asp Ala Leu Met Ala Gly Cys Ile Gln Glu Ala
 35 40 45
 Arg Glu Arg Trp Asn Phe Asp Phe Val Thr Glu Thr Pro Leu Glu
 50 55 60
 Gly Asp Phe Ala Trp Glu Arg Val Arg Gly Leu Gly Leu Pro Lys
 65 70 75
 Leu Tyr Leu Pro Thr Trp Ser Ala Gly Trp Tyr Pro Leu Glu Gly
 80 85 90
 Cys Gly Ser Phe Pro Ser Leu Ser Gln Ala Val Met Lys Phe Thr
 95 100 105
 Pro Phe Pro Gly His Ser Asp Leu Asn Ser Phe Ser Phe Glu Lys
 110 115 120

<210> 30
 <211> 144
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature
 <223> Incyte ID No: 1620092CD1

<400> 30
 Met Arg Ser Cys Phe Arg Leu Cys Glu Arg Asp Val Ser Ser Ser
 1 5 10 15
 Leu Arg Leu Thr Arg Ser Ser Asp Leu Lys Arg Ile Asn Gly Phe
 20 25 30
 Cys Thr Lys Pro Gln Glu Ser Pro Gly Ala Pro Ser Arg Thr Tyr
 35 40 45
 Asn Arg Val Pro Leu His Lys Pro Thr Asp Trp Gln Lys Lys Ile
 50 55 60
 Leu Ile Trp Ser Gly Arg Phe Lys Lys Glu Asp Glu Ile Pro Glu
 65 70 75
 Thr Val Ser Leu Glu Met Leu Asp Ala Ala Lys Asn Lys Met Arg
 80 85 90
 Val Lys Ile Ser Tyr Leu Met Ile Ala Leu Thr Val Val Gly Cys
 95 100 105
 Ile Phe Met Val Ile Glu Gly Lys Lys Ala Ala Gln Arg His Glu
 110 115 120
 Thr Leu Thr Ser Leu Asn Leu Glu Lys Lys Ala Arg Leu Lys Glu
 125 130 135
 Glu Ala Ala Met Lys Ala Lys Thr Glu
 140

<210> 31
 <211> 933
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1678765CD1

<400> 31
 Met Phe Tyr Leu Glu Asp Asp Lys Glu Asp Glu Val Val Cys Lys
 1 5 10 15
 Gly Ser Leu Ser Lys Thr Gln Asp Val Tyr His Asp Lys Ser Pro
 20 25 30
 Pro Gly Ile Leu Ser Gln Thr Met Asn Tyr Val Gly Gln Leu Ala
 35 40 45
 Gly Gln Val Ile Val Thr Val Lys Glu Leu Tyr Lys Gly Ile Asn
 50 55 60
 Gln Ala Thr Leu Ser Gly Cys Ile Asp Val Ile Val Val Gln Gln
 65 70 75
 Gln Asp Gly Ser Tyr Gln Cys Ser Pro Phe His Val Arg Phe Gly
 80 85 90
 Lys Leu Gly Val Leu Arg Ser Lys Glu Lys Val Ile Asp Ile Glu
 95 100 105
 Ile Asn Gly Ser Ala Val Asp Leu His Met Lys Leu Gly Asp Asn
 110 115 120
 Gly Glu Ala Phe Phe Val Glu Glu Thr Glu Glu Glu Tyr Glu Lys
 125 130 135
 Leu Pro Ala Tyr Leu Ala Thr Ser Pro Ile Pro Thr Glu Asp Gln
 140 145 150
 Phe Phe Lys Asp Ile Asp Thr Pro Leu Val Lys Ser Gly Gly Asp
 155 160 165
 Glu Thr Pro Ser Gln Ser Ser Asp Ile Ser His Val Leu Glu Thr
 170 175 180
 Glu Thr Ile Phe Thr Pro Ser Ser Val Lys Lys Lys Lys Arg Arg
 185 190 195
 Arg Lys Lys Tyr Lys Gln Asp Ser Lys Lys Glu Glu Gln Ala Ala
 200 205 210
 Ser Ala Ala Ala Glu Asp Thr Cys Asp Val Gly Val Ser Ser Asp

215	220	225
Asp Asp Lys Gly Ala Gln Ala Ala Arg	Gly Ser Ser Asn Ala Ser	
230	235	240
Leu Lys Glu Glu Glu Cys Lys Glu Pro	Leu Leu Phe His Ser Gly	
245	250	255
Asp His Tyr Pro Leu Ser Asp Gly Asp	Trp Ser Pro Leu Glu Thr	
260	265	270
Thr Tyr Pro Gln Thr Ala Cys Pro Lys	Ser Asp Ser Glu Leu Glu	
275	280	285
Val Lys Pro Ala Glu Ser Leu Leu Arg	Ser Glu Tyr His Met Glu	
290	295	300
Trp Thr Trp Gly Gly Phe Pro Glu Ser	Thr Lys Val Ser Lys Arg	
305	310	315
Glu Arg Ser Asp His His Pro Arg Thr	Ala Thr Ile Thr Pro Ser	
320	325	330
Glu Asn Thr His Phe Arg Val Ile Pro	Ser Glu Asp Asn Leu Ile	
335	340	345
Ser Glu Val Glu Lys Asp Ala Ser Met	Glu Asp Thr Val Cys Thr	
350	355	360
Ile Val Lys Pro Lys Pro Arg Ala Leu	Gly Thr Gln Met Ser Asp	
365	370	375
Pro Thr Ser Val Ala Glu Leu Leu Glu	Pro Pro Leu Glu Ser Thr	
380	385	390
Gln Ile Ser Ser Met Leu Asp Ala Asp	His Leu Pro Asn Ala Ala	
395	400	405
Leu Ala Glu Ala Pro Ser Glu Ser Lys	Pro Ala Ala Lys Val Asp	
410	415	420
Ser Pro Ser Lys Lys Lys Gly Val His	Lys Arg Ile Gln His Gln	
425	430	435
Gly Pro Asp Asp Ile Tyr Leu Asp Asp	Leu Lys Gly Leu Glu Pro	
440	445	450
Glu Val Ala Ala Leu Tyr Phe Pro Lys	Ser Glu Ser Glu Pro Gly	
455	460	465
Ser Arg Gln Trp Pro Glu Ser Asp Thr	Leu Ser Gly Ser Gln Ser	
470	475	480
Pro Gln Ser Val Gly Ser Ala Ala Ala	Asp Ser Gly Thr Glu Cys	
485	490	495
Leu Ser Asp Ser Ala Met Asp Leu Pro	Asp Val Thr Leu Ser Leu	
500	505	510
Cys Gly Gly Leu Ser Glu Asn Gly Lys	Ile Ser Lys Glu Lys Phe	
515	520	525
Met Glu His Ile Ile Thr Tyr His Glu	Phe Ala Glu Asn Pro Gly	
530	535	540
Leu Ile Asp Asn Pro Asn Leu Val Ile	Arg Ile Tyr Asn Arg Tyr	
545	550	555
Tyr Asn Trp Ala Leu Ala Ala Pro Met	Ile Leu Ser Leu Gln Val	
560	565	570
Phe Gln Lys Ser Leu Pro Lys Ala Thr	Val Glu Ser Trp Val Lys	
575	580	585
Asp Lys Met Pro Lys Lys Ser Gly Arg	Trp Trp Phe Trp Arg Lys	
590	595	600
Arg Glu Ser Met Thr Lys Gln Leu Pro	Glu Ser Lys Glu Gly Lys	
605	610	615
Ser Glu Ala Pro Pro Ala Ser Asp Leu	Pro Ser Ser Ser Lys Glu	
620	625	630
Pro Ala Gly Ala Arg Pro Ala Glu Asn	Asp Ser Ser Ser Asp Glu	
635	640	645
Gly Ser Gln Glu Leu Glu Glu Ser Ile	Thr Val Asp Pro Ile Pro	
650	655	660
Thr Glu Pro Leu Ser His Gly Ser Thr	Thr Ser Tyr Lys Lys Ser	
665	670	675
Leu Arg Leu Ser Ser Asp Gln Ile Ala	Lys Leu Lys Leu His Asp	
680	685	690

Gly Pro Asn Asp Val Val Phe Ser Ile Thr Thr Gln Tyr Gln Gly
 695 700 705
 Thr Cys Arg Cys Ala Gly Thr Ile Tyr Leu Trp Asn Trp Asn Asp
 710 715 720
 Lys Ile Ile Ile Ser Asp Ile Asp Gly Thr Ile Thr Lys Ser Asp
 725 730 735
 Ala Leu Gly Gln Ile Leu Pro Gln Leu Gly Lys Asp Trp Thr His
 740 745 750
 Gln Gly Ile Ala Lys Leu Tyr His Ser Ile Asn Glu Asn Gly Tyr
 755 760 765
 Lys Phe Leu Tyr Cys Ser Ala Arg Ala Ile Gly Met Ala Asp Met
 770 775 780
 Thr Arg Gly Tyr Leu His Trp Val Asn Asp Lys Gly Thr Ile Leu
 785 790 795
 Pro Arg Gly Pro Leu Met Leu Ser Pro Ser Ser Leu Phe Ser Ala
 800 805 810
 Phe His Arg Glu Val Ile Glu Lys Lys Pro Glu Lys Phe Lys Ile
 815 820 825
 Glu Cys Leu Asn Asp Ile Lys Asn Leu Phe Ala Pro Ser Lys Gln
 830 835 840
 Pro Phe Tyr Ala Ala Phe Gly Asn Arg Pro Asn Asp Val Tyr Ala
 845 850 855
 Tyr Thr Gln Val Gly Val Pro Asp Cys Arg Ile Phe Thr Val Asn
 860 865 870
 Pro Lys Gly Glu Leu Ile Gln Glu Arg Thr Lys Gly Asn Lys Ser
 875 880 885
 Ser Tyr His Arg Leu Ser Glu Leu Val Glu His Val Phe Pro Leu
 890 895 900
 Leu Ser Lys Glu Gln Asn Ser Ala Phe Pro Cys Pro Glu Phe Ser
 905 910 915
 Ser Phe Cys Tyr Trp Arg Asp Pro Ile Pro Glu Val Asp Leu Asp
 920 925 930
 Asp Leu Ser

<210> 32
 <211> 268
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1708229CD1

<400> 32
 Met Leu Gly Asp His Cys Ser Leu Pro Glu Asp Gln Ala Arg Pro
 1 5 10 15
 Gly Gln Ser Leu Gln Ser Gly Leu Cys Cys Lys Met Val Leu Gln
 20 25 30
 Ala Val Ser Lys Val Leu Arg Lys Ser Lys Ala Lys Pro Asn Gly
 35 40 45
 Lys Lys Pro Ala Ala Glu Glu Arg Lys Ala Tyr Leu Glu Pro Glu
 50 55 60
 His Thr Lys Ala Arg Ile Thr Asp Phe Gln Phe Lys Glu Leu Val
 65 70 75
 Val Leu Pro Arg Glu Ile Asp Leu Asn Glu Trp Leu Ala Ser Asn
 80 85 90
 Thr Thr Thr Phe Phe His His Ile Asn Leu Gln Tyr Ser Thr Ile
 95 100 105
 Ser Glu Phe Cys Thr Gly Glu Thr Cys Gln Thr Met Ala Val Cys
 110 115 120
 Asn Thr Gln Tyr Tyr Trp Tyr Asp Glu Arg Gly Lys Lys Val Lys
 125 130 135
 Cys Thr Ala Pro Gln Tyr Val Asp Phe Val Met Ser Ser Val Gln

140	145	150
Lys Leu Val Thr Asp Glu Asp Val Phe Pro Thr Lys Tyr Gly Arg		
155	160	165
Glu Phe Pro Ser Ser Phe Glu Ser Leu Val Arg Lys Ile Cys Arg		
170	175	180
His Leu Phe His Val Leu Ala His Ile Tyr Trp Ala His Phe Lys		
185	190	195
Glu Thr Leu Ala Leu Glu Leu His Gly His Leu Asn Thr Leu Tyr		
200	205	210
Val His Phe Ile Leu Phe Ala Arg Glu Phe Asn Leu Leu Asp Pro		
215	220	225
Lys Glu Thr Ala Ile Met Asp Asp Leu Thr Glu Val Leu Cys Ser		
230	235	240
Gly Ala Gly Gly Val His Ser Gly Gly Ser Gly Asp Gly Ala Gly		
245	250	255
Ser Gly Gly Pro Gly Ala Gln Asn His Val Lys Glu Arg		
260	265	

<210> 33'

<211> 337

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1806454CD1

<400> 33

Met Leu Leu Gly Leu Ala Ala Met Glu Leu Lys Val Trp Val Asp			
1	5	10	15
Gly Ile Gln Arg Val Val Cys Gly Val Ser Glu Gln Thr Thr Cys			
20	25	30	
Gln Glu Val Val Ile Ala Leu Ala Gln Ala Ile Gly Gln Thr Gly			
35	40	45	
Arg Phe Val Leu Val Gln Arg Leu Arg Glu Lys Glu Arg Gln Leu			
50	55	60	
Leu Pro Gln Glu Cys Pro Val Gly Ala Gln Ala Thr Cys Gly Gln			
65	70	75	
Phe Ala Ser Asp Val Gln Phe Val Leu Arg Arg Thr Gly Pro Ser			
80	85	90	
Leu Ala Gly Arg Pro Ser Ser Asp Ser Cys Pro Pro Pro Glu Arg			
95	100	105	
Cys Leu Ile Arg Ala Ser Leu Pro Val Lys Pro Arg Ala Ala Leu			
110	115	120	
Gly Cys Glu Pro Arg Lys Thr Leu Thr Pro Glu Pro Ala Pro Ser			
125	130	135	
Leu Ser Arg Pro Gly Pro Ala Ala Pro Val Thr Pro Thr Pro Gly			
140	145	150	
Cys Cys Thr Asp Leu Arg Gly Leu Glu Leu Arg Val Gln Arg Asn			
155	160	165	
Ala Glu Glu Leu Gly His Glu Ala Phe Trp Glu Gln Glu Leu Arg			
170	175	180	
Arg Glu Gln Ala Arg Glu Arg Glu Gly Gln Ala Arg Leu Gln Ala			
185	190	195	
Leu Ser Ala Ala Thr Ala Glu His Ala Ala Arg Leu Gln Ala Leu			
200	205	210	
Asp Ala Gln Ala Arg Ala Leu Glu Ala Glu Leu Gln Leu Ala Ala			
215	220	225	
Glu Ala Pro Gly Pro Pro Ser Pro Met Ala Ser Ala Thr Glu Arg			
230	235	240	
Leu His Gln Asp Leu Ala Val Gln Glu Arg Gln Ser Ala Glu Val			
245	250	255	
Gln Gly Ser Leu Ala Leu Val Ser Arg Ala Leu Glu Ala Ala Glu			
260	265	270	

Arg Ala Leu Gln Ala Gln Gln Glu Leu Glu Glu Leu Asn Arg
 275 280 285
 Glu Leu Arg Gln Cys Asn Leu Gln Gln Phe Ile Gln Gln Thr Gly
 290 295 300
 Ala Ala Leu Pro Pro Pro Pro Arg Pro Asp Arg Gly Pro Pro Gly
 305 310 315
 Thr Gln Val Gly Val Val Leu Gly Gly Trp Glu Val Arg Thr
 320 325 330
 Trp Pro Ser Pro Thr Pro Ser
 335
 <210> 34
 <211> 565
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 1806850CD1

 <400> 34
 Met Lys Glu Glu Glu Glu Val Phe Gln Pro Met Leu Met Glu Tyr
 1 5 10 15
 Phe Thr Tyr Glu Glu Leu Lys Tyr Ile Lys Lys Lys Val Ile Ala
 20 25 30
 Gln His Cys Ser Gln Lys Asp Thr Ala Glu Leu Leu Arg Gly Leu
 35 40 45
 Ser Leu Trp Asn His Ala Glu Glu Arg Gln Lys Phe Phe Lys Tyr
 50 55 60
 Ser Val Asp Glu Lys Ser Asp Lys Glu Ala Glu Val Ser Glu His
 65 70 75
 Ser Thr Gly Ile Thr His Leu Pro Pro Glu Val Met Leu Ser Ile
 80 85 90
 Phe Ser Tyr Leu Asn Pro Gln Glu Leu Cys Arg Cys Ser Gln Val
 95 100 105
 Ser Met Lys Trp Ser Gln Leu Thr Lys Thr Gly Ser Leu Trp Lys
 110 115 120
 His Leu Tyr Pro Val His Trp Ala Arg Gly Asp Trp Tyr Ser Gly
 125 130 135
 Pro Ala Thr Glu Leu Asp Thr Glu Pro Asp Asp Glu Trp Val Lys
 140 145 150
 Asn Arg Lys Asp Glu Ser Arg Ala Phe His Glu Trp Asp Glu Asp
 155 160 165
 Ala Asp Ile Asp Glu Ser Glu Glu Ser Ala Glu Glu Ser Ile Ala
 170 175 180
 Ile Ser Ile Ala Gln Met Glu Lys Arg Leu Leu His Gly Leu Ile
 185 190 195
 His Asn Val Leu Pro Tyr Val Gly Thr Ser Val Lys Thr Leu Val
 200 205 210
 Leu Ala Tyr Ser Ser Ala Val Ser Ser Lys Met Val Arg Gln Ile
 215 220 225
 Leu Glu Leu Cys Pro Asn Leu Glu His Leu Asp Leu Thr Gln Thr
 230 235 240
 Asp Ile Ser Asp Ser Ala Phe Asp Ser Trp Ser Trp Leu Gly Cys
 245 250 255
 Cys Gln Ser Leu Arg His Leu Asp Leu Ser Gly Cys Glu Lys Ile
 260 265 270
 Thr Asp Val Ala Leu Glu Lys Ile Ser Arg Ala Leu Gly Ile Leu
 275 280 285
 Thr Ser His Gln Ser Gly Phe Leu Lys Thr Ser Thr Ser Lys Ile
 290 295 300
 Thr Ser Thr Ala Trp Lys Asn Lys Asp Ile Thr Met Gln Ser Thr
 305 310 315
 Lys Gln Tyr Ala Cys Leu His Asp Leu Thr Asn Lys Gly Ile Gly

320	325	330
Glu Glu Ile Asp Asn Glu His Pro Trp	Thr Lys Pro Val Ser	Ser
335	340	345
Glu Asn Phe Thr Ser Pro Tyr Val Trp	Met Leu Asp Ala Glu	Asp
350	355	360
Leu Ala Asp Ile Glu Asp Thr Val Glu	Trp Arg His Arg	Asn Val
365	370	375
Glu Ser Leu Cys Val Met Glu Thr Ala	Ser Asn Phe Ser	Cys Ser
380	385	390
Thr Ser Gly Cys Phe Ser Lys Asp Ile	Val Gly Leu Arg	Thr Ser
395	400	405
Val Cys Trp Gln Gln His Cys Ala Ser	Pro Ala Phe Ala	Tyr Cys
410	415	420
Gly His Ser Phe Cys Cys Thr Gly Thr	Ala Leu Arg	Thr Met Ser
425	430	435
Ser Leu Pro Glu Ser Ser Ala Met Cys	Arg Lys Ala Ala	Arg Thr
440	445	450
Arg Leu Pro Arg Gly Lys Asp Leu Ile	Tyr Phe Gly Ser	Glu Lys
455	460	465
Ser Asp Gln Glu Thr Gly Arg Val Leu	Leu Phe Leu Ser	Leu Ser
470	475	480
Gly Cys Tyr Gln Ile Thr Asp His Gly	Leu Arg Val	Leu Thr Leu
485	490	495
Gly Gly Gly Leu Pro Tyr Leu Glu His	Leu Asn Leu Ser	Gly Cys
500	505	510
Leu Thr Ile Thr Gly Ala Gly Leu Gln	Asp Leu Val Ser	Ala Cys
515	520	525
Pro Ser Leu Asn Asp Glu Tyr Phe Tyr	Tyr Cys Asp Asn	Ile Asn
530	535	540
Gly Pro His Ala Asp Thr Ala Ser Gly	Cys Gln Asn Leu	Gln Cys
545	550	555
Gly Phe Arg Ala Cys Cys Arg Ser Gly	Glu	
560	565	

<210> 35

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1851534CD1

<400> 35

Met Asp Phe Ser Phe Ser Phe Met Gln	Gly Ile Met Gly Asn Thr	
1	5	10 15
Ile Gln Gln Pro Pro Gln Leu Ile Asp	Ser Ala Asn Ile Arg Gln	
20	25	30
Glu Asp Ala Phe Asp Asn Asn Ser Asp	Ile Ala Glu Asp Gly Gly	
35	40	45
Gln Thr Pro Tyr Glu Ala Thr Leu Gln	Gln Gly Phe Gln Tyr Pro	
50	55	60
Ala Thr Thr Glu Asp Leu Pro Pro Leu	Thr Asn Gly Tyr Pro Ser	
65	70	75
Ser Ile Ser Val Tyr Glu Thr Gln Thr	Lys Tyr Gln Ser Tyr Asn	
80	85	90
Gln Tyr Pro Asn Gly Ser Ala Asn Gly	Phe Gly Ala Val Arg Asn	
95	100	105
Phe Ser Pro Thr Asp Tyr Tyr His Ser	Glu Ile Pro Asn Thr Arg	
110	115	120
Pro His Glu Ile Leu Glu Lys Pro Ser	Pro Pro Gln Pro Pro Pro	
125	130	135
Pro Pro Ser Val Pro Gln Thr Val Ile	Pro Lys Lys Thr Gly Ser	
140	145	150

Pro Glu Ile Lys Leu Lys Ile Thr Lys Thr Ile Gln Asn Gly Arg
 155 160 165
 Glu Leu Phe Glu Ser Ser Leu Cys Gly Asp Leu Leu Asn Glu Val
 170 175 180
 Gln Ala Ser Glu His Thr Lys Ser Lys His Glu Ser Arg Lys Glu
 185 190 195
 Lys Arg Lys Lys Ser Asn Lys His Asp Ser Ser Arg Ser Glu Glu
 200 205 210
 Arg Lys Ser His Lys Ile Pro Lys Leu Glu Pro Glu Glu Gln Asn
 215 220 225
 Met Thr Lys

 <210> 36
 <211> 495
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 1868749CD1

 <400> 36
 Met Lys Gly Met Lys Val Glu Val Leu Asn Ser Asp Ala Val Leu
 1 5 10 15
 Pro Ser Arg Val Tyr Trp Ile Ala Ser Val Ile Gln Thr Ala Gly
 20 25 30
 Tyr Arg Val Leu Leu Arg Tyr Glu Gly Phe Glu Asn Asp Ala Ser
 35 40 45
 His Asp Phe Trp Cys Asn Leu Gly Thr Val Asp Val His Pro Ile
 50 55 60
 Gly Trp Cys Ala Ile Asn Ser Lys Ile Leu Val Pro Pro Arg Thr
 65 70 75
 Ile His Ala Lys Phe Thr Asp Trp Lys Gly Tyr Leu Met Lys Arg
 80 85 90
 Leu Val Gly Ser Arg Thr Leu Pro Val Asp Phe His Ile Lys Met
 95 100 105
 Val Glu Ser Met Lys Tyr Pro Phe Arg Gln Gly Met Arg Leu Glu
 110 115 120
 Val Val Asp Lys Ser Gln Val Ser Arg Thr Arg Met Ala Val Val
 125 130 135
 Asp Thr Val Ile Gly Gly Arg Leu Arg Leu Leu Tyr Glu Asp Gly
 140 145 150
 Asp Ser Asp Asp Asp Phe Trp Cys His Met Trp Ser Pro Leu Ile
 155 160 165
 His Pro Val Gly Trp Ser Arg Arg Val Gly His Gly Ile Lys Met
 170 175 180
 Ser Glu Arg Arg Ser Asp Met Ala His His Pro Thr Phe Arg Lys
 185 190 195
 Ile Tyr Cys Asp Ala Val Pro Tyr Leu Phe Lys Lys Val Arg Ala
 200 205 210
 Val Tyr Thr Glu Gly Gly Trp Phe Glu Glu Gly Met Lys Leu Glu
 215 220 225
 Ala Ile Asp Pro Leu Asn Leu Gly Asn Ile Cys Val Ala Thr Val
 230 235 240
 Cys Lys Val Leu Leu Asp Gly Tyr Leu Met Ile Cys Val Asp Gly
 245 250 255
 Gly Pro Ser Thr Asp Gly Leu Asp Trp Phe Cys Tyr His Ala Ser
 260 265 270
 Ser His Ala Ile Phe Pro Ala Thr Phe Cys Gln Lys Asn Asp Ile
 275 280 285
 Glu Leu Thr Pro Pro Lys Gly Tyr Glu Ala Gln Thr Phe Asn Trp
 290 295 300
 Glu Asn Tyr Leu Glu Lys Thr Lys Ser Lys Ala Ala Pro Ser Arg

305	310	315
Leu Phe Asn Met Asp Cys Pro Asn His	Gly Phe Lys Val Gly	Met
320	325	330
Lys Leu Glu Ala Val Asp Leu Met Glu	Pro Arg Leu Ile Cys	Val
335	340	345
Ala Thr Val Lys Arg Val Val His Arg	Leu Leu Ser Ile His	Phe
350	355	360
Asp Gly Trp Asp Ser Glu Tyr Asp Gln	Trp Val Asp Cys Glu	Ser
365	370	375
Pro Asp Ile Tyr Pro Val Gly Trp Cys	Glu Leu Thr Gly Tyr	Gln
380	385	390
Leu Gln Pro Pro Val Ala Ala Glu Pro	Ala Thr Pro Leu Lys	Ala
395	400	405
Lys Glu Ala Thr Lys Lys Lys Lys	Gln Phe Gly Lys Lys	Arg
410	415	420
Lys Arg Ile Pro Pro Thr Lys Thr Arg	Pro Leu Arg Gln Gly	Ser
425	430	435
Lys Lys Pro Leu Leu Glu Asp Asp Pro	Gln Gly Ala Arg Lys	Ile
440	445	450
Ser Ser Glu Pro Val Pro Gly Glu Ile	Ile Ala Val Arg Val	Lys
455	460	465
Glu Glu His Leu Asp Val Ala Ser Pro	Asp Lys Ala Ser Ser	Pro
470	475	480
Glu Leu Pro Val Ser Val Glu Asn Ile	Lys Gln Glu Thr Asp Asp	
485	490	495

<210> 37
 <211> 1336
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1980010CD1

<400> 37		
Met Val Asp Gln Leu Glu Gln Ile Leu Ser Val Ser Glu Leu Leu		
1	5	10
Glu Lys His Gly Leu Glu Lys Pro Ile Ser Phe Val Lys Asn Thr		
20	25	30
Gln Ser Ser Ser Glu Glu Ala Arg Lys Leu Met Val Arg Leu Thr		
35	40	45
Arg His Thr Gly Arg Lys Gln Pro Pro Val Ser Glu Ser His Trp		
50	55	60
Arg Thr Leu Leu Gln Asp Met Leu Thr Met Gln Gln Asn Val Tyr		
65	70	75
Thr Cys Leu Asp Ser Asp Ala Cys Tyr Glu Ile Phe Thr Glu Ser		
80	85	90
Leu Leu Cys Ser Ser Arg Leu Glu Asn Ile His Leu Ala Gly Gln		
95	100	105
Met Met His Cys Ser Ala Cys Ser Glu Asn Pro Pro Ala Gly Ile		
110	115	120
Ala His Lys Gly Asn Pro His Tyr Arg Val Ser Tyr Glu Lys Ser		
125	130	135
Ile Asp Leu Val Leu Ala Ala Ser Arg Glu Tyr Phe Asn Ser Ser		
140	145	150
Thr Asn Leu Thr Asp Ser Cys Met Asp Leu Ala Arg Cys Cys Leu		
155	160	165
Gln Leu Ile Thr Asp Arg Pro Pro Ala Ile Gln Glu Glu Leu Asp		
170	175	180
Leu Ile Gln Ala Val Gly Cys Leu Glu Glu Phe Gly Val Lys Ile		
185	190	195
Leu Pro Leu Gln Val Arg Leu Cys Pro Asp Arg Ile Ser Leu Ile		

200	205	210
Lys Glu Cys Ile Ser Gln Ser Pro Thr	Cys Tyr Lys Gln Ser Thr	
215	220	225
Lys Leu Leu Gly Leu Ala Glu Leu Leu Arg Val Ala Gly Glu Asn		
230	235	240
Pro Glu Glu Arg Arg Gly Gln Val Leu Ile Leu Leu Val Glu Gln		
245	250	255
Ala Leu Arg Phe His Asp Tyr Lys Ala Ala Ser Met His Cys Gln		
260	265	270
Glu Leu Met Ala Thr Gly Tyr Pro Lys Ser Trp Asp Val Cys Ser		
275	280	285
Gln Leu Gly Gln Ser Glu Gly Tyr Gln Asp Leu Ala Thr Arg Gln		
290	295	300
Glu Leu Met Ala Phe Ala Leu Thr His Cys Pro Pro Ser Ser Ile		
305	310	315
Glu Leu Leu Leu Ala Ala Ser Ser Ser Leu Gln Thr Glu Ile Leu		
320	325	330
Tyr Gln Arg Val Asn Phe Gln Ile His His Glu Gly Gly Glu Asn		
335	340	345
Ile Ser Ala Ser Pro Leu Thr Ser Lys Ala Val Gln Glu Asp Glu		
350	355	360
Val Gly Val Pro Gly Ser Asn Ser Ala Asp Leu Leu Arg Trp Thr		
365	370	375
Thr Ala Thr Thr Met Lys Val Leu Ser Asn Thr Thr Thr Thr Thr		
380	385	390
Lys Ala Val Leu Gln Ala Val Ser Asp Gly Gln Trp Trp Lys Lys		
395	400	405
Ser Leu Thr Tyr Leu Arg Pro Leu Gln Gly Gln Lys Cys Gly Gly		
410	415	420
Ala Tyr Gln Ile Gly Thr Thr Ala Asn Glu Asp Leu Glu Lys Gln		
425	430	435
Gly Cys His Pro Phe Tyr Glu Ser Val Ile Ser Asn Pro Phe Val		
440	445	450
Ala Glu Ser Glu Gly Thr Tyr Asp Thr Tyr Gln His Val Pro Val		
455	460	465
Glu Ser Phe Ala Glu Val Leu Leu Arg Thr Gly Lys Leu Ala Glu		
470	475	480
Ala Lys Asn Lys Gly Glu Val Phe Pro Thr Thr Glu Val Leu Leu		
485	490	495
Gln Leu Ala Ser Glu Ala Leu Pro Asn Asp Met Thr Leu Ala Leu		
500	505	510
Ala Tyr Leu Leu Ala Leu Pro Gln Val Leu Asp Ala Asn Arg Cys		
515	520	525
Phe Glu Lys Gln Ser Pro Ser Ala Leu Ser Leu Gln Leu Ala Ala		
530	535	540
Tyr Tyr Tyr Ser Leu Gln Ile Tyr Ala Arg Leu Ala Pro Cys Phe		
545	550	555
Arg Asp Lys Cys His Pro Leu Tyr Arg Ala Asp Pro Lys Glu Leu		
560	565	570
Ile Lys Met Val Thr Arg His Val Thr Arg His Glu His Glu Ala		
575	580	585
Trp Pro Glu Asp Leu Ile Ser Leu Thr Lys Gln Leu His Cys Tyr		
590	595	600
Asn Glu Arg Leu Leu Asp Phe Thr Gln Ala Gln Ile Leu Gln Gly		
605	610	615
Leu Arg Lys Gly Val Asp Val Gln Arg Phe Thr Ala Asp Asp Gln		
620	625	630
Tyr Lys Arg Glu Thr Ile Leu Gly Leu Ala Glu Thr Leu Glu Glu		
635	640	645
Ser Val Tyr Ser Ile Ala Ile Ser Leu Ala Gln Arg Tyr Ser Val		
650	655	660
Ser Arg Trp Glu Val Phe Met Thr His Leu Glu Phe Leu Phe Thr		
665	670	675

Asp Ser Gly Leu Ser Thr Leu Glu Ile Glu Asn Arg Ala Gln Asp
 680 685 690
 Leu His Leu Phe Glu Thr Leu Lys Thr Asp Pro Glu Ala Phe His
 695 700 705
 Gln His Met Val Lys Tyr Ile Tyr Pro Thr Ile Gly Gly Phe Asp
 710 715 720
 His Glu Arg Leu Gln Tyr Tyr Phe Thr Leu Leu Glu Asn Cys Gly
 725 730 735
 Cys Ala Asp Leu Gly Asn Cys Ala Ile Lys Pro Glu Thr His Ile
 740 745 750
 Arg Leu Leu Lys Lys Phe Lys Val Val Ala Ser Gly Leu Asn Tyr
 755 760 765
 Lys Lys Leu Thr Asp Glu Asn Met Ser Pro Leu Glu Ala Leu Glu
 770 775 780
 Pro Val Leu Ser Ser Gln Asn Ile Leu Ser Ile Ser Lys Leu Val
 785 790 795
 Pro Lys Ile Pro Glu Lys Asp Gly Gln Met Leu Ser Pro Ser Ser
 800 805 810
 Leu Tyr Thr Ile Trp Leu Gln Lys Leu Phe Trp Thr Gly Asp Pro
 815 820 825
 His Leu Ile Lys Gln Val Pro Gly Ser Ser Pro Glu Trp Leu His
 830 835 840
 Ala Tyr Asp Val Cys Met Lys Tyr Phe Asp Arg Leu His Pro Gly
 845 850 855
 Asp Leu Ile Thr Val Val Asp Ala Val Thr Phe Ser Pro Lys Ala
 860 865 870
 Val Thr Lys Leu Ser Val Glu Ala Arg Lys Glu Met Thr Arg Lys
 875 880 885
 Ala Ile Lys Thr Val Lys His Phe Ile Glu Lys Pro Arg Lys Arg
 890 895 900
 Asn Ser Glu Asp Glu Ala Gln Glu Ala Lys Asp Ser Lys Val Thr
 905 910 915
 Tyr Ala Asp Thr Leu Asn His Leu Glu Lys Ser Leu Ala His Leu
 920 925 930
 Glu Thr Leu Ser His Ser Phe Ile Leu Ser Leu Lys Asn Ser Glu
 935 940 945
 Gln Glu Thr Leu Gln Lys Tyr Ser His Leu Tyr Asp Leu Ser Arg
 950 955 960
 Ser Glu Lys Glu Lys Leu His Asp Glu Ala Val Ala Ile Cys Leu
 965 970 975
 Asp Gly Gln Pro Leu Ala Met Ile Gln Gln Leu Leu Glu Val Ala
 980 985 990
 Val Gly Pro Leu Asp Ile Ser Pro Lys Asp Ile Val Gln Ser Ala
 995 1000 1005
 Ile Met Lys Ile Ile Ser Ala Leu Ser Gly Gly Ser Ala Asp Leu
 1010 1015 1020
 Gly Gly Pro Arg Asp Pro Leu Lys Val Leu Glu Gly Val Val Ala
 1025 1030 1035
 Ala Val His Ala Ser Val Asp Lys Gly Glu Leu Val Ser Pro
 1040 1045 1050
 Glu Asp Leu Leu Glu Trp Leu Arg Pro Phe Cys Ala Asp Asp Ala
 1055 1060 1065
 Trp Pro Val Arg Pro Arg Ile His Val Leu Gln Ile Leu Gly Gln
 1070 1075 1080
 Ser Phe His Leu Thr Glu Glu Asp Ser Lys Leu Leu Val Phe Phe
 1085 1090 1095
 Arg Thr Glu Ala Ile Leu Lys Ala Ser Trp Pro Gln Arg Gln Val
 1100 1105 1110
 Asp Ile Ala Asp Ile Glu Asn Glu Glu Asn Arg Tyr Cys Leu Phe
 1115 1120 1125
 Met Glu Leu Leu Glu Ser Ser His His Glu Ala Glu Phe Gln His
 1130 1135 1140
 Leu Val Leu Leu Leu Gln Ala Trp Pro Pro Met Lys Ser Glu Tyr

1145	1150	1155
Val Ile Thr Asn Asn Pro Trp Val Arg Leu Ala Thr Val Met Leu		
1160	1165	1170
Thr Arg Cys Thr Met Glu Asn Lys Glu Gly Leu Gly Asn Glu Val		
1175	1180	1185
Leu Lys Met Cys Arg Ser Leu Tyr Asn Thr Lys Gln Met Leu Pro		
1190	1195	1200
Ala Glu Gly Val Lys Glu Leu Cys Leu Leu Leu Asn Gln Ser		
1205	1210	1215
Leu Leu Leu Pro Ser Leu Lys Leu Leu Leu Glu Ser Arg Asp Glu		
1220	1225	1230
His Leu His Glu Met Ala Leu Glu Gln Ile Thr Ala Val Thr Thr		
1235	1240	1245
Val Asn Asp Ser Asn Cys Asp Gln Glu Leu Leu Ser Leu Leu		
1250	1255	1260
Asp Ala Lys Leu Leu Val Lys Cys Val Ser Thr Pro Phe Tyr Pro		
1265	1270	1275
Arg Ile Val Asp His Leu Leu Ala Ser Leu Gln Gln Gly Arg Trp		
1280	1285	1290
Asp Ala Glu Glu Leu Gly Arg His Leu Arg Glu Ala Gly His Glu		
1295	1300	1305
Ala Glu Ala Gly Ser Leu Leu Leu Ala Val Arg Gly Thr His Gln		
1310	1315	1320
Ala Phe Arg Thr Phe Ser Thr Ala Leu Arg Ala Ala Gln His Trp		
1325	1330	1335
Val		

<210> 38
<211> 934
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2259032CD1

<400> 38			
Met Phe Trp Lys Phe Asp Leu Asn Thr Thr Ser His Val Asp Lys			
1	5	10	15
Leu Leu Asp Lys Glu His Val Thr Leu Gln Glu Leu Met Asp Glu			
20	25	30	
Asp Asp Ile Leu Gln Glu Cys Lys Ala Gln Asn Gln Lys Leu Leu			
35	40	45	
Asp Phe Leu Cys Arg Gln Gln Cys Met Glu Glu Leu Val Ser Leu			
50	55	60	
Ile Thr Gln Asp Pro Pro Leu Asp Met Glu Glu Lys Val Arg Phe			
65	70	75	
Lys Tyr Pro Asn Thr Ala Cys Glu Leu Leu Thr Cys Asp Val Pro			
80	85	90	
Gln Ile Ser Asp Arg Leu Gly Gly Asp Glu Ser Leu Leu Ser Leu			
95	100	105	
Leu Tyr Asp Phe Leu Asp His Glu Pro Pro Leu Asn Pro Leu Leu			
110	115	120	
Ala Ser Phe Phe Ser Lys Thr Ile Gly Asn Leu Ile Ala Arg Lys			
125	130	135	
Thr Glu Gln Val Ile Thr Phe Leu Lys Lys Lys Asp Lys Phe Ile			
140	145	150	
Ser Leu Val Leu Lys His Ile Gly Thr Ser Ala Leu Met Asp Leu			
155	160	165	
Leu Leu Arg Leu Val Ser Cys Val Glu Pro Ala Gly Leu Arg Gln			
170	175	180	
Asp Val Leu His Trp Leu Asn Glu Glu Lys Val Ile Gln Arg Leu			
185	190	195	

Val Glu Leu Ile His Pro Ser Gln Asp Glu Asp Arg Gln Ser Asn
 200 205 210
 Ala Ser Gln Thr Leu Cys Asp Ile Val Arg Leu Gly Arg Asp Gln
 215 220 225
 Gly Ser Gln Leu Gln Glu Ala Leu Glu Pro Asp Pro Leu Leu Thr
 230 235 240
 Ala Leu Glu Ser Arg Gln Asp Cys Val Glu Gln Leu Leu Lys Asn
 245 250 255
 Met Phe Asp Gly Asp Arg Thr Glu Ser Cys Leu Val Ser Gly Thr
 260 265 270
 Gln Val Leu Leu Thr Leu Leu Glu Thr Arg Arg Val Gly Thr Glu
 275 280 285
 Gly Leu Val Asp Ser Phe Ser Gln Gly Leu Glu Arg Ser Tyr Ala
 290 295 300
 Val Ser Ser Ser Val Leu His Gly Ile Glu Pro Arg Leu Lys Asp
 305 310 315
 Phe His Gln Leu Leu Leu Asn Pro Pro Lys Lys Lys Ala Ile Leu
 320 325 330
 Thr Thr Ile Gly Val Leu Glu Glu Pro Leu Gly Asn Ala Arg Leu
 335 340 345
 His Gly Ala Arg Leu Met Ala Ala Leu Leu His Thr Asn Thr Pro
 350 355 360
 Ser Ile Asn Gln Glu Leu Cys Arg Leu Asn Thr Met Asp Leu Leu
 365 370 375
 Leu Asp Leu Phe Phe Lys Tyr Thr Trp Asn Asn Phe Leu His Phe
 380 385 390
 Gln Val Glu Leu Cys Ile Ala Ala Ile Leu Ser His Ala Ala Arg
 395 400 405
 Glu Glu Arg Thr Glu Ala Ser Gly Ser Glu Ser Arg Val Glu Pro
 410 415 420
 Pro His Glu Asn Gly Asn Arg Ser Leu Glu Thr Pro Gln Pro Ala
 425 430 435
 Ala Ser Leu Pro Asp Asn Thr Met Val Thr His Leu Phe Gln Lys
 440 445 450
 Cys Cys Leu Val Gln Arg Ile Leu Glu Ala Trp Glu Ala Asn Asp
 455 460 465
 His Thr Gln Ala Ala Gly Gly Met Arg Arg Gly Asn Met Gly His
 470 475 480
 Leu Thr Arg Ile Ala Asn Ala Val Val Gln Asn Leu Glu Arg Gly
 485 490 495
 Pro Val Gln Thr His Ile Ser Glu Val Ile Arg Gly Leu Pro Ala
 500 505 510
 Asp Cys Arg Gly Arg Trp Glu Ser Phe Val Glu Glu Thr Leu Thr
 515 520 525
 Glu Thr Asn Arg Arg Asn Thr Val Asp Leu Ala Phe Ser Asp Tyr
 530 535 540
 Gln Ile Gln Gln Met Thr Ala Asn Phe Val Asp Gln Phe Gly Phe
 545 550 555
 Asn Asp Glu Glu Phe Ala Asp Gln Asp Asp Asn Ile Asn Ala Pro
 560 565 570
 Phe Asp Arg Ile Ala Glu Ile Asn Phe Asn Ile Asp Ala Asp Glu
 575 580 585
 Asp Ser Pro Ser Ala Ala Leu Phe Glu Ala Cys Cys Ser Asp Arg
 590 595 600
 Ile Gln Pro Phe Asp Asp Glu Asp Glu Asp Ile Trp Glu Asp
 605 610 615
 Ser Asp Thr Arg Cys Ala Ala Arg Val Met Ala Arg Pro Arg Phe
 620 625 630
 Gly Ala Pro His Ala Ser Glu Ser Cys Ser Lys Asn Gly Pro Glu
 635 640 645
 Arg Gly Gly Gln Asp Gly Lys Ala Ser Leu Glu Ala His Arg Asp
 650 655 660
 Ala Pro Gly Ala Gly Ala Pro Pro Ala Pro Gly Lys Lys Glu Ala

665	670	675
Pro Pro Val Glu Gly Asp Ser Glu Ala	Gly Ala Met Trp Thr Ala	
680	685	690
Val Phe Asp Glu Pro Ala Asn Ser Thr	Pro Thr Ala Pro Gly Val	
695	700	705
Val Arg Asp Val Gly Ser Ser Val Trp	Ala Ala Gly Thr Ser Ala	
710	715	720
Pro Glu Glu Lys Gly Trp Ala Lys Phe	Thr Asp Phe Gln Pro Phe	
725	730	735
Cys Cys Ser Glu Ser Gly Pro Arg Cys	Ser Ser Pro Val Asp Thr	
740	745	750
Glu Cys Ser His Ala Glu Gly Ser Arg	Ser Gln Gly Pro Glu Lys	
755	760	765
Ala Phe Ser Pro Ala Ser Pro Cys Ala	Trp Asn Val Cys Val Thr	
770	775	780
Arg Lys Ala Pro Leu Leu Ala Ser Asp	Ser Ser Ser Ser Gly Gly	
785	790	795
Ser His Ser Glu Asp Gly Asp Gln Lys	Ala Ala Ser Ala Met Asp	
800	805	810
Ala Val Ser Arg Gly Pro Gly Arg Glu	Ala Pro Pro Leu Pro Thr	
815	820	825
Val Ala Arg Thr Glu Glu Ala Val Gly	Arg Val Gly Cys Ala Asp	
830	835	840
Ser Arg Leu Leu Ser Pro Ala Cys Pro	Ala Pro Lys Glu Val Thr	
845	850	855
Ala Ala Pro Ala Val Ala Val Pro Pro	Glu Ala Thr Val Ala Ile	
860	865	870
Thr Thr Ala Leu Ser Lys Ala Gly Pro	Ala Ile Pro Thr Pro Ala	
875	880	885
Val Ser Ser Ala Leu Ala Val Ala Val	Pro Leu Gly Pro Ile Met	
890	895	900
Ala Val Thr Ala Ala Pro Ala Met Val	Ala Thr Leu Gly Thr Val	
905	910	915
Thr Lys Asp Gly Lys Thr Asp Ala Pro	Pro Glu Gly Ala Ala Leu	
920	925	930
Asn Gly Pro Val		

<210> 39
 <211> 515
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2359526CD1

<400> 39
 Met Ala Ala Asn Met Tyr Arg Val Gly Asp Tyr Val Tyr Phe Glu
 1 5 10 15
 Asn Ser Ser Ser Asn Pro Tyr Leu Ile Arg Arg Ile Glu Glu Leu
 20 25 30
 Asn Lys Thr Ala Ser Gly Asn Val Glu Ala Lys Val Val Cys Phe
 35 40 45
 Tyr Arg Arg Arg Asp Ile Ser Asn Thr Leu Ile Met Leu Ala Asp
 50 55 60
 Lys His Ala Lys Glu Ile Glu Glu Glu Ser Glu Thr Thr Val Glu
 65 70 75
 Ala Asp Leu Thr Asp Lys Gln Lys His Gln Leu Lys His Arg Glu
 80 85 90
 Leu Phe Leu Ser Arg Gln Tyr Glu Ser Leu Pro Ala Thr His Ile
 95 100 105
 Arg Gly Lys Cys Ser Val Ala Leu Leu Asn Glu Thr Glu Ser Val
 110 115 120

Leu Ser Tyr Leu Asp Lys Glu Asp Thr Phe Phe Tyr Ser Leu Val
 125 130 135
 Tyr Asp Pro Ser Leu Lys Thr Leu Leu Ala Asp Lys Gly Glu Ile
 140 145 150
 Arg Val Gly Pro Arg Tyr Gln Ala Asp Ile Pro Glu Met Leu Leu
 155 160 165
 Glu Gly Glu Ser Asp Glu Arg Glu Gln Ser Lys Leu Glu Val Lys
 170 175 180
 Val Trp Asp Pro Asn Ser Pro Leu Thr Asp Arg Gln Ile Asp Gln
 185 190 195
 Phe Leu Val Val Ala Arg Ala Val Gly Thr Phe Ala Arg Ala Leu
 200 205 210
 Asp Cys Ser Ser Ser Val Arg Gln Pro Ser Leu His Met Ser Ala
 215 220 225
 Ala Ala Ala Ser Arg Asp Ile Thr Leu Phe His Ala Met Asp Thr
 230 235 240
 Leu Tyr Arg His Ser Tyr Asp Leu Ser Ser Ala Ile Ser Val Leu
 245 250 255
 Val Pro Leu Gly Gly Pro Val Leu Cys Arg Asp Glu Met Glu Glu
 260 265 270
 Trp Ser Ala Ser Glu Ala Ser Leu Phe Glu Glu Ala Leu Glu Lys
 275 280 285
 Tyr Gly Lys Asp Phe Asn Asp Ile Arg Gln Asp Phe Leu Pro Trp
 290 295 300
 Lys Ser Leu Thr Ser Ile Ile Glu Tyr Tyr Met Trp Lys Thr
 305 310 315
 Thr Asp Arg Tyr Val Gln Gln Lys Arg Leu Lys Ala Ala Glu Ala
 320 325 330
 Glu Ser Lys Leu Lys Gln Val Tyr Ile Pro Thr Tyr Ser Lys Pro
 335 340 345
 Asn Pro Asn Gln Ile Ser Thr Ser Asn Gly Lys Pro Gly Ala Val
 350 355 360
 Asn Gly Ala Val Gly Thr Thr Phe Gln Pro Gln Asn Pro Leu Leu
 365 370 375
 Gly Arg Ala Cys Glu Ser Cys Tyr Ala Thr Gln Ser His Gln Trp
 380 385 390
 Tyr Ser Trp Gly Pro Pro Asn Met Gln Cys Arg Leu Cys Ala Ile
 395 400 405
 Cys Trp Leu Tyr Trp Lys Tyr Gly Leu Lys Met Pro Thr
 410 415 420
 Gln Ser Glu Glu Glu Lys Leu Ser Pro Ser Pro Thr Thr Glu Asp
 425 430 435
 Pro Arg Val Arg Ser His Val Ser Arg Gln Ala Met Gln Gly Met
 440 445 450
 Pro Val Arg Asn Thr Gly Ser Pro Lys Ser Ala Val Lys Thr Arg
 455 460 465
 Gln Ala Phe Phe Leu His Thr Thr Tyr Phe Thr Lys Phe Ala Arg
 470 475 480
 Gln Val Cys Lys Asn Thr Leu Arg Leu Arg Gln Ala Ala Arg Arg
 485 490 495
 Pro Phe Val Ala Ile Asn Tyr Ala Ala Ile Arg Ala Glu Cys Lys
 500 505 510
 Met Leu Leu Asn Ser
 515
 <210> 40
 <211> 146
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 2456494CD1

<400> 40
 Met Val Asp Glu Leu Val Leu Leu His Ala Leu Leu Met Arg
 1 5 10 15
 His Arg Ala Leu Ser Ile Glu Asn Ser Gln Leu Met Glu Gln Leu
 20 25 30
 Arg Leu Leu Val Cys Glu Arg Ala Ser Leu Leu Arg Gln Val Arg
 35 40 45
 Pro Pro Ser Cys Pro Val Pro Phe Pro Glu Thr Phe Asn Gly Glu
 50 55 60
 Ser Ser Arg Leu Pro Glu Phe Ile Val Gln Thr Ala Ser Tyr Met
 65 70 75
 Leu Val Asn Glu Asn Arg Phe Cys Asn Asp Ala Met Lys Val Ala
 80 85 90
 Phe Leu Ile Ser Leu Leu Thr Gly Glu Ala Glu Glu Trp Val Val
 95 100 105
 Pro Tyr Ile Glu Met Asp Ser Pro Ile Leu Gly Asp Tyr Arg Ala
 110 115 120
 Phe Leu Asp Glu Met Lys Gln Cys Phe Gly Trp Asp Asp Asp Glu
 125 130 135
 Asp Asp Asp Asp Glu Glu Glu Asp Asp Tyr
 140 145

<210> 41

<211> 580

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2668536CD1

<400> 41
 Met Lys Glu Asn Lys Glu Asn Ser Ser Pro Ser Val Thr Ser Ala
 1 5 10 15
 Asn Leu Asp His Thr Lys Pro Cys Trp Tyr Trp Asp Lys Lys Asp
 20 25 30
 Leu Ala His Thr Pro Ser Gln Leu Glu Gly Leu Asp Pro Ala Thr
 35 40 45
 Glu Ala Arg Tyr Arg Arg Glu Gly Ala Arg Phe Ile Phe Asp Val
 50 55 60
 Gly Thr Arg Leu Gly Leu His Tyr Asp Thr Leu Ala Thr Gly Ile
 65 70 75
 Ile Tyr Phe His Arg Phe Tyr Met Phe His Ser Phe Lys Gln Phe
 80 85 90
 Pro Arg Tyr Val Thr Gly Ala Cys Cys Leu Phe Leu Ala Gly Lys
 95 100 105
 Val Glu Glu Thr Pro Lys Lys Cys Lys Asp Ile Ile Lys Thr Ala
 110 115 120
 Arg Ser Leu Leu Asn Asp Val Gln Phe Gly Gln Phe Gly Asp Asp
 125 130 135
 Pro Lys Glu Glu Val Met Val Leu Glu Arg Ile Leu Leu Gln Thr
 140 145 150
 Ile Lys Phe Asp Leu Gln Val Glu His Pro Tyr Gln Phe Leu Leu
 155 160 165
 Lys Tyr Ala Lys Gln Leu Lys Gly Asp Lys Asn Lys Ile Gln Lys
 170 175 180
 Leu Val Gln Met Ala Trp Thr Phe Val Asn Asp Ser Leu Cys Thr
 185 190 195
 Thr Leu Ser Leu Gln Trp Glu Pro Glu Ile Ile Ala Val Ala Val
 200 205 210
 Met Tyr Leu Ala Gly Arg Leu Cys Lys Phe Glu Ile Gln Glu Trp
 215 220 225
 Thr Ser Lys Pro Met Tyr Arg Arg Trp Trp Glu Gln Phe Val Gln
 230 235 240

Asp Val Pro Val Asp Val Leu Glu Asp Ile Cys His Gln Ile Leu
 245 250 255
 Asp Leu Tyr Ser Gln Gly Lys Gln Gln Met Pro His His Thr Pro
 260 265 270
 His Gln Leu Gln Gln Pro Pro Ser Leu Gln Pro Thr Pro Gln Val
 275 280 285
 Pro Gln Val Gln Gln Ser Gln Pro Ser Gln Ser Ser Glu Pro Ser
 290 295 300
 Gln Pro Gln Gln Lys Asp Pro Gln Gln Pro Ala Gln Gln Gln
 305 310 315
 Pro Ala Gln Gln Pro Lys Lys Pro Ser Pro Gln Pro Ser Ser Pro
 320 325 330
 Arg Gln Val Lys Arg Ala Val Val Val Ser Pro Lys Glu Glu Asn
 335 340 345
 Lys Ala Ala Glu Pro Pro Pro Lys Ile Pro Lys Ile Glu Thr
 350 355 360
 Thr His Pro Pro Leu Pro Pro Ala His Pro Pro Pro Asp Arg Lys
 365 370 375
 Pro Pro Leu Ala Ala Ala Leu Gly Glu Ala Glu Pro Pro Gly Pro
 380 385 390
 Val Asp Ala Thr Asp Leu Pro Lys Val Gln Ile Pro Pro Pro Ala
 395 400 405
 His Pro Ala Pro Val His Gln Pro Pro Pro Leu Pro His Arg Pro
 410 415 420
 Pro Pro Pro Pro Ser Ser Tyr Met Thr Gly Met Ser Thr Thr
 425 430 435
 Ser Ser Tyr Met Ser Gly Glu Gly Tyr Gln Ser Leu Gln Ser Met
 440 445 450
 Met Lys Thr Glu Gly Pro Ser Tyr Gly Ala Leu Pro Pro Ala Tyr
 455 460 465
 Gly Pro Pro Ala His Leu Pro Tyr His Pro His Val Tyr Pro Pro
 470 475 480
 Asn Pro Pro Pro Pro Val Pro Pro Pro Ala Ser Phe Pro
 485 490 495
 His Leu Pro Ser His Pro Leu Leu Leu Ala Thr Pro Asn Pro His
 500 505 510
 Pro Pro Thr Thr Pro Thr Ser His Pro His Pro His Ala Ser Arg
 515 520 525
 Leu Pro Thr Gln Ser Pro Leu Ile Leu Leu Gln Gly Trp Ala Cys
 530 535 540
 Arg Gln Pro Ala Thr His Leu Leu Pro Ser Pro Leu Glu Asp Ser
 545 550 555
 Leu Leu Cys Pro Arg Pro Phe Pro His Pro Ala Cys Leu Gln Leu
 560 565 570
 Glu Gly Leu Gly Arg Ala Ala Trp Met Arg
 575 580

<210> 42
 <211> 131
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2683225CD1

<400> 42
 Met Ala Glu Pro Asp Tyr Ile Glu Asp Asp Asn Pro Glu Leu Ile
 1 5 10 15
 Arg Pro Gln Lys Leu Ile Asn Pro Val Lys Thr Ser Arg Asn His
 20 25 30
 Gln Asp Leu His Arg Glu Leu Leu Met Asn Gln Lys Arg Gly Leu
 35 40 45
 Ala Pro Gln Asn Lys Pro Glu Leu Gln Lys Val Met Glu Lys Arg

50	55	60
Lys Arg Asp Gln Val Ile Lys Gln Lys	Glu Glu Glu Ala Gln Lys	
65	70	75
Lys Lys Ser Asp Leu Glu Ile Glu Leu	Lys Arg Gln Gln Lys	
80	85	90
Leu Glu Gln Leu Glu Leu Glu Lys Gln	Lys Leu Gln Glu Glu Gln	
95	100	105
Glu Asn Ala Pro Glu Phe Val Lys Val	Lys Gly Asn Leu Arg Arg	
110	115	120
Thr Gly Gln Glu Val Ala Gln Ala Gln	Glu Ser	
125	130	
<210> 43		
<211> 812		
<212> PRT		
<213> Homo sapiens		
<220>		
<221> misc_feature		
<223> Incyte ID No: 2797839CD1		
<400> 43		
Met Gly Arg Lys Leu Asp Pro Thr Lys Glu Lys Arg Gly Pro Gly		
1	5	10
Arg Lys Ala Arg Lys Gln Lys Gly Ala Glu	Thr Glu Leu Val Arg	
20	25	30
Phe Leu Pro Ala Val Ser Asp Glu Asn Ser	Lys Arg Leu Ser Ser	
35	40	45
Arg Ala Arg Lys Arg Ala Ala Lys Arg Arg	Leu Gly Ser Val Glu	
50	55	60
Ala Pro Lys Thr Asn Lys Ser Pro Glu Ala	Lys Pro Leu Pro Gly	
65	70	75
Lys Leu Pro Lys Gly Ile Ser Ala Gly Ala	Val Gln Thr Ala Gly	
80	85	90
Lys Lys Gly Pro Gln Ser Leu Phe Asn Ala	Pro Arg Gly Lys Lys	
95	100	105
Arg Pro Ala Pro Gly Ser Asp Glu Glu	Glu Glu Asp Ser	
110	115	120
Glu Glu Asp Gly Met Val Asn His Gly Asp	Leu Trp Gly Ser Glu	
125	130	135
Asp Asp Ala Asp Thr Val Asp Asp Tyr	Gly Ala Asp Ser Asn Ser	
140	145	150
Glu Asp Glu Glu Glu Gly Glu Ala Leu	Leu Pro Ile Glu Arg Ala	
155	160	165
Ala Arg Lys Gln Lys Ala Arg Glu Ala	Ala Ala Gly Ile Gln Trp	
170	175	180
Ser Glu Glu Glu Thr Glu Asp Glu Glu	Glu Lys Glu Val Thr	
185	190	195
Pro Glu Ser Gly Pro Pro Lys Val Glu	Glu Ala Asp Gly Gly	
200	205	210
Gln Ile Asn Val Asp Glu Glu Pro Phe	Val Leu Pro Pro Ala Gly	
215	220	225
Glu Met Glu Gln Asp Ala Gln Ala Pro	Asp Leu Gln Arg Val His	
230	235	240
Lys Arg Ile Gln Asp Ile Val Gly Ile	Leu Arg Asp Phe Gly Ala	
245	250	255
Gln Arg Glu Glu Gly Arg Ser Arg Ser	Glu Tyr Leu Asn Arg Leu	
260	265	270
Lys Lys Asp Leu Ala Ile Tyr Tyr Ser	Tyr Gly Asp Phe Leu Leu	
275	280	285
Gly Lys Leu Met Asp Leu Phe Pro Leu	Ser Glu Leu Val Glu Phe	
290	295	300
Leu Glu Ala Asn Glu Val Pro Arg Pro	Val Thr Leu Arg Thr Asn	
305	310	315

Thr Leu Lys Thr Arg Arg Arg Asp Leu Ala Gln Ala Leu Ile Asn
 320 325 330
 Arg Gly Val Asn Leu Asp Pro Leu Gly Lys Trp Ser Lys Thr Gly
 335 340 345
 Leu Val Val Tyr Asp Ser Ser Val Pro Ile Gly Ala Thr Pro Glu
 350 355 360
 Tyr Leu Ala Gly His Tyr Met Leu Gln Gly Ala Ser Ser Met Leu
 365 370 375
 Pro Val Met Ala Leu Ala Pro Gln Glu His Glu Arg Ile Leu Asp
 380 385 390
 Met Cys Cys Ala Pro Gly Gly Lys Thr Ser Tyr Met Ala Gln Leu
 395 400 405
 Met Lys Asn Thr Gly Val Ile Leu Ala Asn Asp Ala Asn Ala Glu
 410 415 420
 Arg Leu Lys Ser Val Val Gly Asn Leu His Arg Leu Gly Val Thr
 425 430 435
 Asn Thr Ile Ile Ser His Tyr Asp Gly Arg Gln Phe Pro Lys Val
 440 445 450
 Val Gly Gly Phe Asp Arg Val Leu Leu Asp Ala Pro Cys Ser Gly
 455 460 465
 Thr Gly Val Ile Ser Lys Asp Pro Ala Val Lys Thr Asn Lys Asp
 470 475 480
 Glu Lys Asp Ile Leu Arg Cys Ala His Leu Gln Lys Glu Leu Leu
 485 490 495
 Leu Ser Ala Ile Asp Ser Val Asn Ala Thr Ser Lys Thr Gly Gly
 500 505 510
 Tyr Leu Val Tyr Cys Thr Cys Ser Ile Thr Val Glu Glu Asn Glu
 515 520 525
 Trp Val Val Asp Tyr Ala Leu Lys Lys Arg Asn Val Arg Leu Val
 530 535 540
 Pro Thr Gly Leu Asp Phe Gly Gln Glu Gly Phe Thr Arg Phe Arg
 545 550 555
 Glu Arg Arg Phe His Pro Ser Leu Arg Ser Thr Arg Arg Phe Tyr
 560 565 570
 Pro His Thr His Asn Met Asp Gly Phe Phe Ile Ala Lys Phe Lys
 575 580 585
 Lys Phe Ser Asn Ser Ile Pro Gln Ser Gln Thr Gly Asn Ser Glu
 590 595 600
 Thr Ala Thr Pro Thr Asn Val Asp Leu Pro Gln Val Ile Pro Lys
 605 610 615
 Ser Glu Asn Ser Ser Gln Pro Ala Lys Lys Ala Lys Gly Ala Ala
 620 625 630
 Lys Thr Lys Gln Gln Leu Gln Lys Gln His Pro Lys Lys Ala
 635 640 645
 Ser Phe Gln Lys Leu Asn Gly Ile Ser Lys Gly Ala Asp Ser Glu
 650 655 660
 Leu Ser Thr Val Pro Ser Val Thr Lys Thr Gln Ala Ser Ser Ser
 665 670 675
 Phe Gln Asp Ser Ser Gln Pro Ala Gly Lys Ala Glu Gly Ile Arg
 680 685 690
 Glu Pro Lys Val Thr Gly Lys Leu Lys Gln Arg Ser Pro Lys Leu
 695 700 705
 Gln Ser Ser Lys Lys Val Ala Phe Leu Arg Gln Asn Ala Pro Pro
 710 715 720
 Lys Gly Thr Asp Thr Gln Thr Pro Ala Val Leu Ser Pro Ser Lys
 725 730 735
 Thr Gln Ala Thr Leu Lys Pro Lys Asp His His Gln Pro Leu Gly
 740 745 750
 Arg Ala Lys Gly Val Glu Lys Gln Gln Leu Pro Glu Gln Pro Phe
 755 760 765
 Glu Lys Ala Ala Phe Gln Lys Gln Asn Asp Thr Pro Lys Gly Pro
 770 775 780
 Gln Pro Pro Thr Val Ser Pro Ile Arg Ser Ser Arg Pro Pro Pro

	785	790	795
Ala Lys Arg Lys Lys	Ser Gln Ser Arg Gly	Asn Ser Gln Leu Leu	
800	805	810	
Leu Ser			
<210> 44			
<211> 537			
<212> PRT			
<213> Homo sapiens			
<220>			
<221> misc_feature			
<223> Incyte ID No: 2959521CD1			
<400> 44			
Met Arg Gly Val Gly Ala Arg Val Tyr Ala Asp Ala Pro Ala Lys			
1	5	10	15
Leu Leu Leu Pro Pro Pro Ala Ala Trp Asp Leu Ala Val Arg Leu			
20	25	30	
Arg Gly Ala Glu Ala Ala Ser Glu Arg Gln Val Tyr Ser Val Thr			
35	40	45	
Met Lys Leu Leu Leu Leu His Pro Ala Phe Gln Ser Cys Leu Leu			
50	55	60	
Leu Thr Leu Leu Gly Leu Trp Arg Thr Thr Pro Glu Ala His Ala			
65	70	75	
Ser Ser Leu Gly Ala Pro Ala Ile Ser Ala Ala Ser Phe Leu Gln			
80	85	90	
Asp Leu Ile His Arg Tyr Gly Glu Gly Asp Ser Leu Thr Leu Gln			
95	100	105	
Gln Leu Lys Ala Leu Leu Asn His Leu Asp Val Gly Val Gly Arg			
110	115	120	
Gly Asn Val Thr Gln His Val Gln Gly His Arg Asn Leu Ser Thr			
125	130	135	
Cys Phe Ser Ser Gly Asp Leu Phe Thr Ala His Asn Phe Ser Glu			
140	145	150	
Gln Ser Arg Ile Gly Ser Ser Glu Leu Gln Glu Phe Cys Pro Thr			
155	160	165	
Ile Leu Gln Gln Leu Asp Ser Arg Ala Cys Thr Ser Glu Asn Gln			
170	175	180	
Glu Asn Glu Glu Asn Glu Gln Thr Glu Glu Gly Arg Pro Ser Ala			
185	190	195	
Val Glu Val Trp Gly Tyr Gly Leu Leu Cys Val Thr Val Ile Ser			
200	205	210	
Leu Cys Ser Leu Leu Gly Ala Ser Val Val Pro Phe Met Lys Lys			
215	220	225	
Thr Phe Tyr Lys Arg Leu Leu Leu Tyr Phe Ile Ala Leu Ala Ile			
230	235	240	
Gly Thr Leu Tyr Ser Asn Ala Leu Phe Gln Leu Ile Pro Glu Ala			
245	250	255	
Phe Gly Phe Asn Pro Leu Glu Asp Tyr Tyr Val Ser Lys Ser Ala			
260	265	270	
Val Val Phe Gly Gly Phe Tyr Leu Phe Phe Phe Thr Glu Lys Ile			
275	280	285	
Leu Lys Ile Leu Leu Lys Gln Lys Asn Glu His His His Gly His			
290	295	300	
Ser His Tyr Ala Ser Glu Ser Leu Pro Ser Lys Lys Asp Gln Glu			
305	310	315	
Glu Gly Val Met Glu Lys Leu Gln Asn Gly Asp Leu Asp His Met			
320	325	330	
Ile Pro Gln His Cys Ser Ser Glu Leu Asp Gly Lys Ala Pro Met			
335	340	345	
Val Asp Glu Lys Val Ile Val Gly Ser Leu Ser Val Gln Asp Leu			
350	355	360	

Gln Ala Ser Gln Ser Ala Cys Tyr Trp Leu Lys Gly Val Arg Tyr
 365 370 375
 Ser Asp Ile Gly Thr Leu Ala Trp Met Ile Thr Leu Ser Asp Gly
 380 385 390
 Leu His Asn Phe Ile Asp Gly Leu Ala Ile Gly Ala Ser Phe Thr
 395 400 405
 Val Ser Val Phe Gln Gly Ile Ser Thr Ser Val Ala Ile Leu Cys
 410 415 420
 Glu Glu Phe Pro His Glu Leu Gly Asp Phe Val Ile Leu Leu Asn
 425 430 435
 Ala Gly Met Ser Ile Gln Gln Ala Leu Phe Phe Asn Phe Leu Ser
 440 445 450
 Ala Cys Cys Cys Tyr Leu Gly Leu Ala Phe Gly Ile Leu Ala Gly
 455 460 465
 Ser His Phe Ser Ala Asn Trp Ile Phe Ala Leu Ala Gly Met
 470 475 480
 Phe Leu Tyr Ile Ser Leu Ala Asp Met Phe Pro Glu Met Asn Glu
 485 490 495
 Val Cys Gln Glu Asp Glu Arg Lys Gly Ser Ile Leu Ile Pro Phe
 500 505 510
 Ile Ile Gln Asn Leu Gly Leu Leu Thr Gly Phe Thr Ile Met Val
 515 520 525
 Val Leu Thr Met Tyr Ser Gly Gln Ile Gln Ile Gly
 530 535

<210> 45
 <211> 584
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3082014CD1

<400> 45
 Met Leu Trp Gly Gly Arg Val Gly Leu Thr Gly Val Phe Gln Ser
 1 5 10 15
 Leu Ser Tyr Arg Gly Lys Cys Ser Val Thr Leu Leu Asn Glu Thr
 20 25 30
 Asp Ile Leu Ser Gln Tyr Leu Glu Lys Glu Asp Cys Phe Phe Tyr
 35 40 45
 Ser Leu Val Phe Asp Pro Val Gln Lys Thr Leu Leu Ala Asp Gln
 50 55 60
 Gly Glu Ile Arg Val Gly Cys Lys Tyr Gln Ala Glu Ile Pro Asp
 65 70 75
 Arg Leu Val Glu Gly Glu Ser Asp Asn Arg Asn Gln Gln Lys Met
 80 85 90
 Glu Met Lys Val Trp Asp Pro Asp Asn Pro Leu Thr Asp Arg Gln
 95 100 105
 Ile Asp Gln Phe Leu Val Val Ala Arg Ala Val Gly Thr Phe Ala
 110 115 120
 Arg Ala Leu Asp Cys Ser Ser Ser Ile Arg Gln Pro Ser Leu His
 125 130 135
 Met Ser Ala Ala Ala Ala Ser Arg Asp Ile Thr Leu Phe His Ala
 140 145 150
 Met Asp Thr Leu Gln Arg Asn Gly Tyr Asp Leu Ala Lys Ala Met
 155 160 165
 Ser Thr Leu Val Pro Gln Gly Gly Pro Val Leu Cys Arg Asp Glu
 170 175 180
 Met Glu Glu Trp Ser Ala Ser Glu Ala Met Leu Phe Glu Glu Ala
 185 190 195
 Leu Glu Lys Tyr Gly Lys Asp Phe Asn Asp Ile Arg Gln Asp Phe
 200 205 210
 Leu Pro Trp Lys Ser Leu Ala Ser Ile Val Gln Phe Tyr Tyr Met

215	220	225
Trp Lys Thr Thr Asp Arg Tyr Ile Gln Gln Lys Arg Leu Lys Ala		
230	235	240
Ala Glu Ala Asp Ser Lys Leu Lys Gln Val Tyr Ile Pro Thr Tyr		
245	250	255
Thr Lys Pro Asn Pro Asn Gln Ile Ile Ser Val Gly Ser Lys Pro		
260	265	270
Gly Met Asn Gly Ala Gly Phe Gln Lys Gly Leu Thr Cys Glu Ser		
275	280	285
Cys His Thr Thr Gln Ser Ala Gln Trp Tyr Ala Trp Gly Pro Pro		
290	295	300
Asn Met Gln Cys Arg Leu Cys Ala Ser Cys Trp Ile Tyr Trp Lys		
305	310	315
Lys Tyr Gly Gly Leu Lys Thr Pro Thr Gln Leu Glu Gly Ala Thr		
320	325	330
Arg Gly Thr Thr Glu Pro His Ser Arg Gly His Leu Ser Arg Pro		
335	340	345
Glu Ala Gln Ser Leu Ser Pro Tyr Thr Thr Ser Ala Asn Arg Ala		
350	355	360
Lys Leu Leu Ala Lys Asn Arg Gln Thr Phe Leu Leu Gln Thr Thr		
365	370	375
Lys Leu Thr Arg Leu Ala Arg Arg Met Cys Arg Asp Leu Leu Gln		
380	385	390
Pro Arg Arg Ala Ala Arg Arg Pro Tyr Ala Pro Ile Asn Ala Asn		
395	400	405
Ala Ile Lys Ala Glu Cys Ser Ile Arg Leu Pro Lys Ala Ala Lys		
410	415	420
Thr Pro Leu Lys Ile His Pro Leu Val Arg Leu Pro Leu Ala Thr		
425	430	435
Ile Val Lys Asp Leu Val Ala Gln Ala Pro Leu Lys Pro Lys Thr		
440	445	450
Pro Arg Gly Thr Lys Thr Pro Ile Asn Arg Asn Gln Leu Ser Gln		
455	460	465
Asn Arg Gly Leu Gly Gly Ile Met Val Lys Arg Ala Tyr Glu Thr		
470	475	480
Met Ala Gly Ala Gly Val Pro Phe Ser Ala Asn Gly Arg Pro Leu		
485	490	495
Ala Ser Gly Ile Arg Ser Ser Ser Gln Pro Ala Ala Lys Arg Gln		
500	505	510
Lys Leu Asn Pro Ala Asp Ala Pro Asn Pro Val Val Phe Val Ala		
515	520	525
Thr Lys Asp Thr Arg Ala Leu Arg Lys Ala Leu Thr His Leu Glu		
530	535	540
Met Arg Arg Ala Ala Arg Arg Pro Asn Leu Pro Leu Lys Val Lys		
545	550	555
Pro Thr Leu Ile Ala Val Arg Pro Pro Val Pro Leu Pro Ala Pro		
560	565	570
Ser His Pro Ala Ser Thr Asn Glu Pro Ile Val Leu Glu Asp		
575	580	

<210> 46

<211> 425

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3520701CD1

<400> 46

Met Ala Gly Ala Glu Gly Ala Ala Gly Arg Gln Ser Glu Leu Glu			
1	5	10	15
Pro Val Val Ser Leu Val Asp Val Leu Glu Glu Asp Glu Glu Leu			
20	25	30	

Glu Asn Glu Ala Cys Ala Val Leu Gly Gly Ser Asp Ser Glu Lys
 35 40 45
 Cys Ser Tyr Ser Gln Gly Ser Val Lys Arg Gln Ala Leu Tyr Ala
 50 55 60
 Cys Ser Thr Cys Thr Pro Glu Gly Glu Glu Pro Ala Gly Ile Cys
 65 70 75
 Leu Ala Cys Ser Tyr Glu Cys His Gly Ser His Lys Leu Phe Glu
 80 85 90
 Leu Tyr Thr Lys Arg Asn Phe Arg Cys Asp Cys Gly Asn Ser Lys
 95 100 105
 Phe Lys Asn Leu Glu Cys Lys Leu Leu Pro Asp Lys Ala Lys Val
 110 115 120
 Asn Ser Gly Asn Lys Tyr Asn Asp Asn Phe Phe Gly Leu Tyr Cys
 125 130 135
 Ile Cys Lys Arg Pro Tyr Pro Asp Pro Glu Asp Glu Ile Pro Asp
 140 145 150
 Glu Met Ile Gln Cys Val Val Cys Glu Asp Trp Phe His Gly Arg
 155 160 165
 His Leu Gly Ala Ile Pro Pro Glu Ser Gly Asp Phe Gln Glu Met
 170 175 180
 Val Cys Gln Ala Cys Met Lys Arg Cys Ser Phe Leu Trp Ala Tyr
 185 190 195
 Ala Ala Gln Leu Ala Val Thr Lys Ile Ser Thr Glu Asp Asp Gly
 200 205 210
 Leu Val Arg Asn Ile Asp Gly Ile Gly Asp Gln Glu Val Ile Lys
 215 220 225
 Pro Glu Asn Gly Glu His Gln Asp Ser Thr Leu Lys Glu Asp Val
 230 235 240
 Pro Glu Gln Gly Lys Asp Asp Val Arg Glu Val Lys Val Glu Gln
 245 250 255
 Asn Ser Glu Pro Cys Ala Gly Ser Ser Ser Glu Ser Asp Leu Gln
 260 265 270
 Thr Val Phe Lys Asn Glu Ser Leu Asn Ala Glu Ser Lys Ser Gly
 275 280 285
 Cys Lys Leu Gln Glu Leu Lys Ala Lys Gln Leu Ile Lys Lys Asp
 290 295 300
 Thr Ala Thr Tyr Trp Pro Leu Asn Trp Arg Ser Lys Leu Cys Thr
 305 310 315
 Cys Gln Asp Cys Met Lys Met Tyr Gly Asp Leu Asp Val Leu Phe
 320 325 330
 Leu Thr Asp Glu Tyr Asp Thr Val Leu Ala Tyr Glu Asn Lys Gly
 335 340 345
 Lys Ile Ala Gln Ala Thr Asp Arg Ser Asp Pro Leu Met Asp Thr
 350 355 360
 Leu Ser Ser Met Asn Arg Val Gln Gln Val Glu Leu Ile Cys Glu
 365 370 375
 Tyr Asn Asp Leu Lys Thr Glu Leu Lys Asp Tyr Leu Lys Arg Phe
 380 385 390
 Ala Asp Glu Gly Thr Val Val Lys Arg Glu Asp Ile Gln Gln Phe
 395 400 405
 Phe Glu Glu Phe Gln Ser Lys Lys Arg Arg Arg Val Asp Gly Met
 410 415 420
 Gln Tyr Tyr Cys Ser
 425

<210> 47
 <211> 255
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 4184320CD1

<400> 47

Met	Tyr	Val	Arg	Val	Ser	Phe	Asp	Thr	Lys	Pro	Asp	Leu	Leu	Leu
1				5					10					15
His	Leu	Met	Thr	Lys	Glu	Trp	Gln	Leu	Glu	Leu	Pro	Lys	Leu	Leu
				20					25					30
Ile	Ser	Val	His	Gly	Gly	Leu	Gln	Asn	Phe	Glu	Leu	Gln	Pro	Lys
				35					40					45
Leu	Lys	Gln	Val	Phe	Gly	Lys	Gly	Leu	Ile	Lys	Ala	Ala	Met	Thr
				50					55					60
Thr	Gly	Ala	Trp	Ile	Phe	Thr	Gly	Gly	Val	Asn	Thr	Gly	Val	Ile
				65					70					75
Arg	His	Val	Gly	Asp	Ala	Leu	Lys	Asp	His	Ala	Ser	Lys	Ser	Arg
				80					85					90
Gly	Lys	Ile	Cys	Thr	Ile	Gly	Ile	Ala	Pro	Trp	Gly	Ile	Val	Glu
				95					100					105
Asn	Gln	Glu	Asp	Leu	Ile	Gly	Arg	Asp	Val	Val	Arg	Pro	Tyr	Gln
				110					115					120
Thr	Met	Ser	Asn	Pro	Met	Ser	Lys	Leu	Thr	Val	Leu	Asn	Ser	Met
				125					130					135
His	Ser	His	Phe	Ile	Leu	Ala	Asp	Asn	Gly	Thr	Thr	Gly	Lys	Tyr
				140					145					150
Gly	Ala	Glu	Val	Lys	Leu	Arg	Arg	Gln	Leu	Glu	Lys	His	Ile	Ser
				155					160					165
Leu	Gln	Lys	Ile	Asn	Thr	Arg	Cys	Leu	Pro	Phe	Phe	Ser	Leu	Asp
				170					175					180
Ser	Arg	Leu	Phe	Tyr	Ser	Phe	Trp	Gly	Ser	Cys	Gln	Leu	Asp	Ser
				185					190					195
Val	Gly	Ile	Gly	Gln	Gly	Val	Pro	Val	Val	Ala	Leu	Ile	Val	Glu
				200					205					210
Gly	Gly	Pro	Asn	Val	Ile	Ser	Ile	Val	Leu	Glu	Tyr	Leu	Arg	Asp
				215					220					225
Thr	Pro	Pro	Val	Pro	Val	Val	Val	Cys	Asp	Gly	Ser	Gly	Arg	Ala
				230					235					240
Ser	Asp	Ile	Leu	Ala	Phe	Gly	His	Lys	Tyr	Ser	Glu	Glu	Gly	Gly
				245					250					255

<210> 48

<211> 111
<212> PRT
<213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte ID No: 4764233CD1

<400> 48

Met	Ser	Trp	Arg	Gly	Arg	Ser	Thr	Tyr	Arg	Pro	Arg	Pro	Arg	Arg
1			5			10			15					
Ser	Leu	Gln	Pro	Pro	Glu	Leu	Ile	Gly	Ala	Met	Leu	Glu	Pro	Thr
				20				25						30
Asp	Glu	Glu	Pro	Lys	Glu	Glu	Lys	Pro	Pro	Thr	Lys	Ser	Arg	Asn
				35				40						45
Pro	Thr	Pro	Asp	Gln	Lys	Arg	Glu	Asp	Asp	Gln	Gly	Ala	Ala	Glu
				50				55						60
Ile	Gln	Val	Pro	Asp	Leu	Glu	Ala	Asp	Leu	Gln	Glu	Leu	Cys	Gln
				65				70						75
Thr	Lys	Thr	Gly	Asp	Gly	Cys	Glu	Gly	Gly	Thr	Asp	Val	Lys	Gly
				80				85						90
Lys	Ile	Leu	Pro	Lys	Ala	Glu	His	Phe	Lys	Met	Pro	Glu	Ala	Gly
				95				100						105
Glu	Gly	Lys	Ser	Gln	Val									
				110										

<210> 49

<211> 422
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4817352CD1

<400> 49
Met Gly Lys Ala Lys Val Pro Ala Ser Lys Arg Ala Pro Ser Ser
1 5 10 15
Pro Val Ala Lys Pro Gly Pro Val Lys Thr Leu Thr Arg Lys Lys
20 25 30
Asn Lys Lys Lys Lys Arg Phe Trp Lys Ser Lys Ala Arg Glu Val
35 40 45
Ser Lys Lys Pro Ala Ser Gly Pro Gly Ala Val Val Arg Pro Pro
50 55 60
Lys Ala Pro Glu Asp Phe Ser Gln Asn Trp Lys Ala Leu Gln Glu
65 70 75
Trp Leu Leu Lys Gln Lys Ser Gln Ala Pro Glu Lys Pro Leu Val
80 85 90
Ile Ser Gln Met Gly Ser Lys Lys Lys Pro Lys Ile Ile Gln Gln
95 100 105
Asn Lys Lys Glu Thr Ser Pro Gln Val Lys Gly Glu Glu Met Pro
110 115 120
Ala Gly Lys Asp Gln Glu Ala Ser Arg Gly Ser Val Pro Ser Gly
125 130 135
Ser Lys Met Asp Arg Arg Ala Pro Val Pro Arg Thr Lys Ala Ser
140 145 150
Gly Thr Glu His Asn Lys Lys Gly Thr Lys Glu Arg Thr Asn Gly
155 160 165
Asp Ile Val Pro Glu Arg Gly Asp Ile Glu His Lys Lys Arg Lys
170 175 180
Ala Lys Glu Ala Ala Pro Ala Pro Pro Thr Glu Glu Asp Ile Trp
185 190 195
Phe Asp Asp Val Asp Pro Ala Asp Ile Glu Ala Ala Ile Gly Pro
200 205 210
Glu Ala Ala Lys Ile Ala Arg Lys Gln Leu Gly Gln Ser Glu Gly
215 220 225
Ser Val Ser Leu Ser Leu Val Lys Glu Gln Ala Phe Gly Gly Leu
230 235 240
Thr Arg Ala Leu Ala Leu Asp Cys Glu Met Val Gly Val Gly Pro
245 250 255
Lys Gly Glu Glu Ser Met Ala Ala Arg Val Ser Ile Val Asn Gln
260 265 270
Tyr Gly Lys Cys Val Tyr Asp Lys Tyr Val Lys Pro Thr Glu Pro
275 280 285
Val Thr Asp Tyr Arg Thr Ala Val Ser Gly Ile Arg Pro Glu Asn
290 295 300
Leu Lys Gln Gly Glu Glu Leu Glu Val Val Gln Lys Glu Val Ala
305 310 315
Glu Met Leu Lys Gly Arg Ile Leu Val Gly His Ala Leu His Asn
320 325 330
Asp Leu Lys Val Leu Phe Leu Asp His Pro Lys Lys Lys Ile Arg
335 340 345
Asp Thr Gln Lys Tyr Lys Pro Phe Lys Ser Gln Val Lys Ser Gly
350 355 360
Arg Pro Ser Leu Arg Leu Leu Ser Glu Lys Ile Leu Gly Leu Gln
365 370 375
Val Gln Gln Ala Glu His Cys Ser Ile Gln Asp Ala Gln Ala Ala
380 385 390
Met Arg Leu Tyr Val Met Val Lys Lys Glu Trp Glu Ser Met Ala
395 400 405

Arg Asp Arg Arg Pro Leu Leu Thr Ala Pro Asp His Cys Ser Asp
 410 415 420
 Asp Ala
 <210> 50
 <211> 397
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No: 5040573CD1
 <400> 50
 Met Ala Met Ile Glu Leu Gly Phe Gly Arg Gln Asn Phe His Pro
 1 5 10 15
 Leu Lys Arg Lys Ser Ser Leu Leu Leu Lys Leu Ile Ala Val Val
 20 25 30
 Phe Ala Val Leu Leu Phe Cys Glu Phe Leu Ile Tyr Tyr Leu Ala
 35 40 45
 Ile Phe Gln Cys Asn Trp Pro Glu Val Lys Thr Thr Ala Ser Asp
 50 55 60
 Gly Glu Gln Thr Thr Arg Glu Pro Val Leu Lys Ala Met Phe Leu
 65 70 75
 Ala Asp Thr His Leu Leu Gly Glu Phe Leu Gly His Trp Leu Asp
 80 85 90
 Lys Leu Arg Arg Glu Trp Gln Met Glu Arg Ala Phe Gln Thr Ala
 95 100 105
 Leu Trp Leu Leu Gln Pro Glu Val Val Phe Ile Leu Gly Asp Ile
 110 115 120
 Phe Asp Glu Gly Lys Trp Ser Thr Pro Glu Ala Trp Ala Asp Asp
 125 130 135
 Val Glu Arg Phe Gln Lys Met Phe Arg His Pro Ser His Val Gln
 140 145 150
 Leu Lys Val Val Ala Gly Asn His Asp Ile Gly Phe His Tyr Glu
 155 160 165
 Met Asn Thr Tyr Lys Val Glu Arg Phe Glu Lys Val Phe Ser Ser
 170 175 180
 Glu Arg Leu Phe Ser Trp Lys Gly Ile Asn Phe Val Met Val Asn
 185 190 195
 Ser Val Ala Leu Asn Gly Asp Gly Cys Gly Ile Cys Ser Glu Thr
 200 205 210
 Glu Ala Glu Leu Ile Glu Val Ser His Arg Leu Asn Cys Ser Arg
 215 220 225
 Glu Gln Ala Arg Gly Ser Ser Arg Cys Gly Pro Gly Pro Leu Leu
 230 235 240
 Pro Thr Ser Ala Pro Val Leu Leu Gln His Tyr Pro Leu Tyr Arg
 245 250 255
 Arg Ser Asp Ala Asn Cys Ser Gly Glu Asp Ala Ala Pro Pro Glu
 260 265 270
 Glu Arg Asp Ile Pro Phe Lys Glu Asn Tyr Asp Val Leu Ser Arg
 275 280 285
 Glu Ala Ser Gln Lys Leu Leu Trp Trp Leu Gln Pro Arg Leu Val
 290 295 300
 Leu Ser Gly His Thr His Ser Ala Cys Glu Val His His Gly Gly
 305 310 315
 Arg Val Pro Glu Leu Ser Val Pro Ser Phe Ser Trp Arg Asn Arg
 320 325 330
 Asn Asn Pro Ser Phe Ile Met Gly Ser Ile Thr Pro Thr Asp Tyr
 335 340 345
 Thr Leu Ser Lys Cys Tyr Leu Pro Arg Glu Asp Val Val Leu Ile
 350 355 360
 Ile Tyr Cys Gly Val Val Gly Phe Leu Val Val Leu Thr Leu Thr

365	370	375
His Phe Gly Leu	Leu Ala Ser Pro Phe	Leu Ser Gly Leu Asn Leu
380	385	390
Leu Gly Lys Arg	Lys Thr Arg	
395		
<210> 51		
<211> 800		
<212> PRT		
<213> Homo sapiens		
<220>		
<221> misc_feature		
<223> Incyte ID No: 5627029CD1		
<400> 51		
Met Gly Ser Ser Lys	Lys His Arg Gly Glu Lys Glu Ala Ala Gly	
1	5	10
Thr Thr Ala Ala Ala	Gly Thr Gly Gly Ala Thr Glu Gln Pro Pro	
20	25	30
Arg His Arg Glu His	Lys Lys His Lys His Arg Ser Gly Gly Ser	
35	40	45
Gly Gly Ser Gly Gly	Glu Arg Arg Lys Arg Ser Arg Glu Arg Gly	
50	55	60
Gly Glu Arg Gly Ser	Gly Arg Arg Gly Ala Glu Ala Glu Ala Arg	
65	70	75
Ser Ser Thr His Gly	Arg Glu Arg Ser Gln Ala Glu Pro Ser Glu	
80	85	90
Arg Arg Val Lys Arg	Glu Lys Arg Asp Asp Gly Tyr Glu Ala Ala	
95	100	105
Ala Ser Ser Lys Thr	Ser Ser Gly Asp Ala Ser Ser Leu Ser Ile	
110	115	120
Glu Glu Thr Asn Lys	Leu Arg Ala Lys Leu Gly Leu Lys Pro Leu	
125	130	135
Glu Val Asn Ala Ile	Lys Lys Glu Ala Gly Thr Lys Glu Glu Pro	
140	145	150
Val Thr Ala Asp Val	Ile Asn Pro Met Ala Leu Arg Gln Arg Glu	
155	160	165
Glu Leu Arg Glu Lys	Leu Ala Ala Ala Lys Glu Lys Arg Leu Leu	
170	175	180
Asn Gln Lys Leu Gly	Ile Lys Thr Leu Gly Glu Asp Asp Pro	
185	190	195
Trp Leu Asp Asp Thr	Ala Ala Trp Ile Glu Arg Ser Arg Gln Leu	
200	205	210
Gln Lys Glu Lys Asp	Leu Ala Glu Lys Arg Ala Lys Leu Leu Glu	
215	220	225
Glu Met Asp Gln Glu	Phe Gly Val Ser Thr Leu Val Glu Glu Glu	
230	235	240
Phe Gly Gln Arg Arg	Gln Asp Leu Tyr Ser Ala Arg Asp Leu Gln	
245	250	255
Gly Leu Thr Val Glu	His Ala Ile Asp Ser Phe Arg Glu Gly Glu	
260	265	270
Thr Met Ile Leu Thr	Leu Lys Asp Lys Gly Val Leu Gln Glu Glu	
275	280	285
Glu Asp Val Leu Val	Asn Val Asn Leu Val Asp Lys Glu Arg Ala	
290	295	300
Glu Lys Asn Val Glu	Leu Arg Lys Lys Pro Asp Tyr Leu Pro	
305	310	315
Tyr Ala Glu Asp Glu	Ser Val Asp Asp Leu Ala Gln Gln Lys Pro	
320	325	330
Arg Ser Ile Leu Ser	Lys Tyr Asp Glu Leu Glu Gly Glu Arg	
335	340	345
Pro His Ser Phe Arg	Leu Glu Gln Gly Gly Thr Ala Asp Gly Leu	
350	355	360

Arg Glu Arg Glu Leu Glu Glu Ile Arg Ala Lys Leu Arg Leu Gln
 365 370 375
 Ala Gln Ser Leu Ser Thr Val Gly Pro Arg Leu Ala Ser Glu Tyr
 380 385 390
 Leu Thr Pro Glu Glu Met Val Thr Phe Lys Lys Thr Lys Arg Arg
 395 400 405
 Val Lys Lys Ile Arg Lys Lys Glu Lys Glu Val Val Val Arg Ala
 410 415 420
 Asp Asp Leu Leu Pro Leu Gly Asp Gln Thr Gln Asp Gly Asp Phe
 425 430 435
 Gly Ser Arg Leu Arg Gly Arg Gly Arg Arg Val Ser Glu Val
 440 445 450
 Glu Glu Glu Lys Glu Pro Val Pro Gln Pro Leu Pro Ser Asp Asp
 455 460 465
 Thr Arg Val Glu Asn Met Asp Ile Ser Asp Glu Glu Glu Gly Gly
 470 475 480
 Ala Pro Pro Pro Ala Ser Pro Gln Val Leu Glu Glu Asp Glu Ala
 485 490 495
 Glu Leu Glu Leu Gln Lys Gln Leu Glu Lys Gly Arg Arg Leu Arg
 500 505 510
 Gln Leu Gln Gln Leu Gln Gln Leu Arg Asp Ser Gly Glu Lys Val
 515 520 525
 Val Glu Ile Val Lys Lys Leu Glu Ser Arg Gln Arg Gly Trp Glu
 530 535 540
 Glu Asp Glu Asp Pro Glu Arg Lys Gly Ala Ile Val Phe Asn Ala
 545 550 555
 Thr Ser Glu Phe Cys Arg Thr Leu Gly Glu Ile Pro Thr Tyr Gly
 560 565 570
 Leu Ala Gly Asn Arg Glu Glu Gln Glu Glu Leu Met Asp Phe Glu
 575 580 585
 Arg Asp Glu Glu Arg Ser Ala Asn Gly Gly Ser Glu Ser Asp Gly
 590 595 600
 Glu Glu Asn Ile Gly Trp Ser Thr Val Asn Leu Asp Glu Glu Lys
 605 610 615
 Gln Gln Gln Asp Phe Ser Ala Ser Ser Thr Thr Ile Leu Asp Glu
 620 625 630
 Glu Pro Ile Val Asn Arg Gly Leu Ala Ala Leu Leu Leu Cys
 635 640 645
 Gln Asn Lys Gly Leu Leu Glu Thr Thr Val Gln Lys Val Ala Arg
 650 655 660
 Val Lys Ala Pro Asn Lys Ser Leu Pro Ser Ala Val Tyr Cys Ile
 665 670 675
 Glu Asp Lys Met Ala Ile Asp Asp Lys Tyr Ser Arg Arg Glu Glu
 680 685 690
 Tyr Arg Gly Phe Thr Gln Asp Phe Lys Glu Lys Asp Gly Tyr Lys
 695 700 705
 Pro Asp Val Lys Ile Glu Tyr Val Asp Glu Thr Gly Arg Lys Leu
 710 715 720
 Thr Pro Lys Glu Ala Phe Arg Gln Leu Ser His Arg Phe His Gly
 725 730 735
 Lys Gly Ser Gly Lys Met Lys Thr Glu Arg Arg Met Lys Lys Leu
 740 745 750
 Asp Glu Glu Ala Leu Leu Lys Lys Met Ser Ser Ser Asp Thr Pro
 755 760 765
 Leu Gly Thr Val Ala Leu Leu Gln Glu Lys Gln Lys Ala Gln Lys
 770 775 780
 Thr Pro Tyr Ile Val Leu Ser Gly Ser Gly Lys Ser Met Asn Ala
 785 790 795
 Asn Thr Ile Thr Lys
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<210> 52
 <211> 713
 <212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5678487CD1

<400> 52

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Gln	Tyr	Gln	Arg	Ser	Leu	Arg	Glu	His	Ala	Ser	Arg	Ser	Ile	His	
					20				25						30
Gln	Leu	Thr	Cys	Ala	Leu	Lys	Glu	Gly	Asp	Val	Thr	Ile	Gly	Glu	
					35				40						45
Asp	Ala	Pro	Asn	Leu	Ser	Phe	Ser	Thr	Ser	Val	Gly	Asn	Glu	Asp	
					50				55						60
Ala	Arg	Thr	Ala	Trp	Pro	Glu	Leu	Gln	Gln	Ser	His	Ala	Val	Asn	
					65				70						75
Gln	Leu	Lys	Asp	Leu	Leu	Arg	Gln	Gln	Ala	Asp	Lys	Glu	Ser	Glu	
					80				85						90
Val	Ser	Pro	Ser	Arg	Arg	Arg	Lys	Met	Ser	Pro	Leu	Arg	Ser	Leu	
					95				100						105
Glu	His	Glu	Glu	Thr	Asn	Met	Pro	Thr	Met	His	Asp	Leu	Val	His	
					110				115						120
Thr	Ile	Asn	Asp	Gln	Ser	Gln	Tyr	Ile	His	His	Leu	Glu	Ala	Glu	
					125				130						135
Val	Lys	Phe	Cys	Lys	Glu	Glu	Leu	Ser	Gly	Met	Lys	Asn	Lys	Ile	
					140				145						150
Gln	Val	Val	Val	Leu	Glu	Asn	Glu	Gly	Leu	Gln	Gln	Leu	Lys		
					155				160						165
Ser	Gln	Arg	Gln	Glu	Glu	Thr	Leu	Arg	Glu	Gln	Thr	Leu	Leu	Asp	
					170				175						180
Ala	Ser	Gly	Asn	Met	His	Asn	Ser	Trp	Ile	Thr	Thr	Gly	Glu	Asp	
					185				190						195
Ser	Gly	Val	Gly	Glu	Thr	Ser	Lys	Arg	Pro	Phe	Ser	His	Asp	Asn	
					200				205						210
Ala	Asp	Phe	Gly	Lys	Ala	Ala	Ser	Ala	Gly	Glu	Gln	Leu	Glu	Leu	
					215				220						225
Glu	Lys	Leu	Lys	Leu	Thr	Tyr	Glu	Glu	Lys	Cys	Glu	Ile	Glu	Glu	
					230				235						240
Ser	Gln	Leu	Lys	Phe	Leu	Arg	Asn	Asp	Leu	Ala	Glu	Tyr	Gln	Arg	
					245				250						255
Thr	Cys	Glu	Asp	Leu	Lys	Glu	Gln	Leu	Lys	His	Lys	Glu	Phe	Leu	
					260				265						270
Leu	Ala	Ala	Asn	Thr	Cys	Asn	Arg	Val	Gly	Gly	Leu	Cys	Leu	Lys	
					275				280						285
Cys	Ala	Gln	His	Glu	Ala	Val	Leu	Ser	Gln	Thr	His	Thr	Asn	Val	
					290				295						300
His	Met	Gln	Thr	Ile	Glu	Arg	Leu	Val	Lys	Glu	Arg	Asp	Asp	Leu	
					305				310						315
Met	Ser	Ala	Leu	Val	Ser	Val	Arg	Ser	Ser	Leu	Ala	Asp	Thr	Gln	
					320				325						330
Gln	Arg	Glu	Ala	Ser	Ala	Tyr	Glu	Gln	Val	Lys	Gln	Val	Leu	Gln	
					335				340						345
Ile	Ser	Glu	Ala	Asn	Phe	Glu	Lys	Thr	Lys	Ala	Leu	Ile	Gln		
					350				355						360
Cys	Asp	Gln	Leu	Arg	Lys	Glu	Leu	Glu	Arg	Gln	Ala	Glu	Arg	Leu	
					365				370						375
Glu	Lys	Asp	Leu	Ala	Ser	Gln	Gln	Glu	Lys	Arg	Ala	Ile	Glu	Lys	
					380				385						390
Asp	Met	Met	Lys	Lys	Glu	Ile	Thr	Lys	Glu	Arg	Glu	Tyr	Met	Gly	
					395				400						405
Ser	Lys	Met	Leu	Ile	Leu	Ser	Gln	Asn	Ile	Ala	Gln	Leu	Glu	Ala	
					410				415						420

Gln Val Glu Lys Val Thr Lys Glu Lys Ile Ser Ala Ile Asn Gln
 425 430 435
 Leu Glu Glu Ile Gln Ser Gln Leu Ala Ser Arg Glu Met Asp Val
 440 445 450
 Thr Lys Val Cys Gly Glu Met Arg Tyr Gln Leu Asn Lys Thr Asn
 455 460 465
 Met Glu Lys Asp Glu Ala Glu Lys Glu His Arg Glu Phe Arg Ala
 470 475 480
 Lys Thr Asn Arg Asp Leu Glu Ile Lys Asp Gln Glu Ile Glu Lys
 485 490 495
 Leu Arg Ile Glu Leu Asp Glu Ser Lys Gln His Leu Glu Gln Glu
 500 505 510
 Gln Gln Lys Ala Ala Leu Ala Arg Glu Glu Cys Leu Arg Leu Thr
 515 520 525
 Glu Leu Leu Gly Glu Ser Glu His Gln Leu His Leu Thr Arg Gln
 530 535 540
 Glu Lys Asp Ser Ile Gln Gln Ser Phe Ser Lys Glu Ala Lys Ala
 545 550 555
 Gln Ala Leu Gln Ala Gln Gln Arg Glu Gln Glu Leu Thr Gln Lys
 560 565 570
 Ile Gln Gln Met Glu Ala Gln His Asp Lys Thr Glu Asn Glu Gln
 575 580 585
 Tyr Leu Leu Leu Thr Ser Gln Asn Thr Phe Leu Thr Lys Leu Lys
 590 595 600
 Glu Glu Cys Cys Thr Leu Ala Lys Lys Leu Glu Gln Ile Ser Gln
 605 610 615
 Lys Thr Arg Ser Glu Ile Ala Gln Leu Ser Gln Glu Lys Arg Tyr
 620 625 630
 Thr Tyr Asp Lys Leu Gly Lys Leu Gln Arg Arg Asn Glu Glu Leu
 635 640 645
 Glu Glu Gln Cys Val Gln His Gly Arg Val His Glu Thr Met Lys
 650 655 660
 Gln Arg Leu Arg Gln Leu Asp Lys His Ser Gln Ala Thr Ala Gln
 665 670 675
 Gln Leu Val Gln Leu Leu Ser Lys Gln Asn Gln Leu Leu Leu Glu
 680 685 690
 Arg Gln Ser Leu Ser Glu Glu Val Asp Arg Leu Arg Thr Gln Leu
 695 700 705
 Pro Ser Met Pro Gln Ser Asp Cys
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<210> 53
 <211> 880
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5682976CD1

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 Lys Arg Ser Leu Gly Leu Glu Asp Pro Ser Arg Leu Arg Ser Arg
 20 25 30
 Tyr Leu Gly Arg Arg Glu Phe Ile Gln Arg Leu Lys Leu Glu Ala
 35 40 45
 Thr Leu Asn Val His Asp Gly Cys Val Asn Thr Ile Cys Trp Asn
 50 55 60
 Asp Thr Gly Glu Tyr Ile Leu Ser Gly Ser Asp Asp Thr Lys Leu
 65 70 75
 Val Ile Ser Asn Pro Tyr Ser Arg Lys Val Leu Thr Thr Ile Arg
 80 85 90
 Ser Gly His Arg Ala Asn Ile Phe Ser Ala Lys Phe Leu Pro Cys

95	100	105
Thr Asn Asp Lys Gln Ile Val Ser Cys Ser	Gly Asp Gly Val	Ile
110	115	120
Phe Tyr Thr Asn Val Glu Gln Asp Ala Glu	Thr Asn Arg Gln Cys	
125	130	135
Gln Phe Thr Cys His Tyr Gly Thr Thr Tyr	Glu Ile Met Thr Val	
140	145	150
Pro Asn Asp Pro Tyr Thr Phe Leu Ser Cys	Gly Glu Asp Gly Thr	
155	160	165
Val Arg Trp Phe Asp Thr Arg Ile Lys Thr	Ser Cys Thr Lys Glu	
170	175	180
Asp Cys Lys Asp Asp Ile Leu Ile Asn Cys	Arg Arg Ala Ala Thr	
185	190	195
Ser Val Ala Ile Cys Pro Pro Ile Pro Tyr	Tyr Leu Ala Val Gly	
200	205	210
Cys Ser Asp Ser Ser Val Arg Ile Tyr Asp	Arg Arg Met Leu Gly	
215	220	225
Thr Arg Ala Thr Gly Asn Tyr Ala Gly Arg	Gly Thr Thr Gly Met	
230	235	240
Val Ala Arg Phe Ile Pro Ser His Leu Asn	Asn Lys Ser Cys Arg	
245	250	255
Val Thr Ser Leu Cys Tyr Ser Glu Asp Gly	Gln Glu Ile Leu Val	
260	265	270
Ser Tyr Ser Ser Asp Tyr Ile Tyr Leu Phe	Asp Pro Lys Asp Asp	
275	280	285
Thr Ala Arg Glu Leu Lys Thr Pro Ser Ala	Glu Glu Arg Arg Glu	
290	295	300
Glu Leu Arg Gln Pro Pro Val Lys Arg Leu	Arg Leu Arg Gly Asp	
305	310	315
Trp Ser Asp Thr Gly Pro Arg Ala Arg Pro	Glu Ser Glu Arg Glu	
320	325	330
Arg Asp Gly Glu Gln Ser Pro Asn Val Ser	Leu Met Gln Arg Met	
335	340	345
Ser Asp Met Leu Ser Arg Trp Phe Glu Glu	Ala Ser Glu Val Ala	
350	355	360
Gln Ser Asn Arg Gly Arg Gly Arg Ser Arg	Pro Arg Gly Gly Thr	
365	370	375
Ser Gln Ser Asp Ile Ser Thr Leu Pro Thr	Val Pro Ser Ser Pro	
380	385	390
Asp Leu Glu Val Ser Glu Thr Ala Met Glu	Val Asp Thr Pro Ala	
395	400	405
Glu Gln Phe Leu Gln Pro Ser Thr Ser Ser	Thr Met Ser Ala Gln	
410	415	420
Ala His Ser Thr Ser Ser Pro Thr Glu Ser	Pro His Ser Thr Pro	
425	430	435
Leu Leu Ser Ser Pro Asp Ser Glu Gln Arg	Gln Ser Val Glu Ala	
440	445	450
Ser Gly His His Thr His His Gln Ser Asp	Ser Pro Ser Ser Val	
455	460	465
Val Asn Lys Gln Leu Gly Ser Met Ser Leu	Asp Glu Gln Gln Asp	
470	475	480
Asn Asn Asn Glu Lys Leu Ser Pro Lys Pro	Gly Thr Gly Glu Pro	
485	490	495
Val Leu Ser Leu His Tyr Ser Thr Glu Gly	Thr Thr Thr Ser Thr	
500	505	510
Ile Lys Leu Asn Phe Thr Asp Glu Trp Ser	Ser Ile Ala Ser Ser	
515	520	525
Ser Arg Gly Ile Gly Ser His Cys Lys Ser	Glu Gly Gln Glu Glu	
530	535	540
Ser Phe Val Pro Gln Ser Ser Val Gln Pro	Pro Glu Gly Asp Ser	
545	550	555
Glu Thr Lys Ala Pro Glu Glu Ser Ser Glu	Asp Val Thr Lys Tyr	
560	565	570

Gln Glu Gly Val Ser Ala Glu Asn Pro Val Glu Asn His Ile Asn
 575 580 585
 Ile Thr Gln Ser Asp Lys Phe Thr Ala Lys Pro Leu Asp Ser Asn
 590 595 600
 Ser Gly Glu Arg Asn Asp Leu Asn Leu Asp Arg Ser Cys Gly Val
 605 610 615
 Pro Glu Glu Ser Ala Ser Ser Glu Lys Ala Lys Glu Pro Glu Thr
 620 625 630
 Ser Asp Gln Thr Ser Thr Glu Ser Ala Thr Asn Glu Asn Asn Thr
 635 640 645
 Asn Pro Glu Pro Gln Phe Gln Thr Glu Ala Thr Gly Pro Ser Ala
 650 655 660
 His Glu Glu Thr Ser Thr Arg Asp Ser Ala Leu Gln Asp Thr Asp
 665 670 675
 Asp Ser Asp Asp Asp Pro Val Leu Ile Pro Gly Ala Arg Tyr Arg
 680 685 690
 Ala Gly Pro Gly Asp Arg Arg Ser Ala Val Ala Arg Ile Gln Glu
 695 700 705
 Phe Phe Arg Arg Arg Lys Glu Arg Lys Glu Met Glu Glu Leu Asp
 710 715 720
 Thr Leu Asn Ile Arg Arg Pro Leu Val Lys Met Val Tyr Lys Gly
 725 730 735
 His Arg Asn Ser Arg Thr Met Ile Lys Glu Ala Asn Phe Trp Gly
 740 745 750
 Ala Asn Phe Val Met Ser Gly Ser Asp Cys Gly His Ile Phe Ile
 755 760 765
 Trp Asp Arg His Thr Ala Glu His Leu Met Leu Leu Glu Ala Asp
 770 775 780
 Asn His Val Val Asn Cys Leu Gln Pro His Pro Phe Asp Pro Ile
 785 790 795
 Leu Ala Ser Ser Gly Ile Asp Tyr Asp Ile Lys Ile Trp Ser Pro
 800 805 810
 Leu Glu Glu Ser Arg Ile Phe Asn Arg Lys Leu Ala Asp Glu Val
 815 820 825
 Ile Thr Arg Asn Glu Leu Met Leu Glu Glu Thr Arg Asn Thr Ile
 830 835 840
 Thr Val Pro Ala Ser Phe Met Leu Arg Met Leu Ala Ser Leu Asn
 845 850 855
 His Ile Arg Ala Asp Arg Leu Glu Gly Asp Arg Ser Glu Gly Ser
 860 865 870
 Gly Gln Glu Asn Glu Asn Glu Asp Glu Glu
 875 880

<210> 54

<211> 855

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5992432CD1

<400> 54

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 Val Phe Glu Glu Glu Asp Leu Pro Tyr Glu Glu Glu Ile Met Arg
 20 25 30
 Asn Gln Phe Ser Val Lys Cys Trp Leu Arg Tyr Ile Glu Phe Lys
 35 40 45
 Gln Gly Ala Pro Lys Pro Arg Leu Asn Gln Leu Tyr Glu Arg Ala
 50 55 60
 Leu Lys Leu Leu Pro Cys Ser Tyr Lys Leu Trp Tyr Arg Tyr Leu
 65 70 75
 Lys Ala Arg Arg Ala Gln Val Lys His Arg Cys Val Thr Asp Pro

80	85	90												
Ala	Tyr	Glu	Asp	Val	Asn	Asn	Cys	His	Glu	Arg	Ala	Phe	Val	Phe
95									100					105
Met	His	Lys	Met	Pro	Arg	Leu	Trp	Leu	Asp	Tyr	Cys	Gln	Phe	Leu
110									115					120
Met	Asp	Gln	Gly	Arg	Val	Thr	His	Thr	Arg	Arg	Thr	Phe	Asp	Arg
125									130					135
Ala	Leu	Arg	Ala	Leu	Pro	Ile	Thr	Gln	His	Ser	Arg	Ile	Trp	Pro
140									145					150
Leu	Tyr	Leu	Arg	Phe	Leu	Arg	Ser	His	Pro	Leu	Pro	Glu	Thr	Ala
155									160					165
Val	Arg	Gly	Tyr	Arg	Arg	Phe	Leu	Lys	Leu	Ser	Pro	Glu	Ser	Ala
170									175					180
Glu	Glu	Tyr	Ile	Glu	Tyr	Leu	Lys	Ser	Ser	Asp	Arg	Leu	Asp	Glu
185									190					195
Ala	Ala	Gln	Arg	Leu	Ala	Thr	Val	Val	Asn	Asp	Glu	Arg	Phe	Val
200									205					210
Ser	Lys	Ala	Gly	Lys	Ser	Asn	Tyr	Gln	Leu	Trp	His	Glu	Leu	Cys
215									220					225
Asp	Leu	Ile	Ser	Gln	Asn	Pro	Asp	Lys	Val	Gln	Ser	Leu	Asn	Val
230									235					240
Asp	Ala	Ile	Ile	Arg	Gly	Gly	Leu	Thr	Arg	Phe	Thr	Asp	Gln	Leu
245									250					255
Gly	Lys	Leu	Trp	Cys	Ser	Leu	Ala	Asp	Tyr	Tyr	Ile	Arg	Ser	Gly
260									265					270
His	Phe	Glu	Lys	Ala	Arg	Asp	Val	Tyr	Glu	Glu	Ala	Ile	Arg	Thr
275									280					285
Val	Met	Thr	Val	Arg	Asp	Phe	Thr	Gln	Val	Phe	Asp	Ser	Tyr	Ala
290									295					300
Gln	Phe	Glu	Glu	Ser	Met	Ile	Ala	Ala	Lys	Met	Glu	Thr	Ala	Ser
305									310					315
Glu	Leu	Gly	Arg	Glu	Glu	Glu	Asp	Asp	Val	Asp	Leu	Glu	Leu	Arg
320									325					330
Leu	Ala	Arg	Phe	Glu	Gln	Leu	Ile	Ser	Arg	Arg	Pro	Leu	Leu	Leu
335									340					345
Asn	Ser	Val	Leu	Leu	Arg	Gln	Asn	Pro	His	His	Val	His	Glu	Trp
350									355					360
His	Lys	Arg	Val	Ala	Leu	His	Gln	Gly	Arg	Pro	Arg	Glu	Ile	Ile
365									370					375
Asn	Thr	Tyr	Thr	Glu	Ala	Val	Gln	Thr	Val	Asp	Pro	Phe	Lys	Ala
380									385					390
Thr	Gly	Lys	Pro	His	Thr	Leu	Trp	Val	Ala	Phe	Ala	Lys	Phe	Tyr
395									400					405
Glu	Asp	Asn	Gly	Gln	Leu	Asp	Asp	Ala	Arg	Val	Ile	Leu	Glu	Lys
410									415					420
Ala	Thr	Lys	Val	Asn	Phe	Lys	Gln	Val	Asp	Asp	Leu	Ala	Ser	Val
425									430					435
Trp	Cys	Gln	Cys	Gly	Glu	Leu	Glu	Leu	Arg	His	Glu	Asn	Tyr	Asp
440									445					450
Glu	Ala	Leu	Arg	Leu	Leu	Arg	Lys	Ala	Thr	Ala	Leu	Pro	Ala	Arg
455									460					465
Arg	Ala	Glu	Tyr	Phe	Asp	Gly	Ser	Glu	Pro	Val	Gln	Asn	Arg	Val
470									475					480
Tyr	Lys	Ser	Leu	Lys	Val	Trp	Ser	Met	Leu	Ala	Asp	Leu	Glu	Glu
485									490					495
Ser	Leu	Gly	Thr	Phe	Gln	Ser	Thr	Lys	Ala	Val	Tyr	Asp	Arg	Ile
500									505					510
Leu	Asp	Leu	Arg	Ile	Ala	Thr	Pro	Gln	Ile	Val	Ile	Asn	Tyr	Ala
515									520					525
Met	Phe	Leu	Glu	Glu	His	Lys	Tyr	Phe	Glu	Glu	Ser	Phe	Lys	Ala
530									535					540
Tyr	Glu	Arg	Gly	Ile	Ser	Leu	Phe	Lys	Trp	Pro	Asn	Val	Ser	Asp
545									550					555

Ile Trp Ser Thr Tyr Leu Thr Lys Phe Ile Ala Arg Tyr Gly Gly
 560 565 570
 Arg Lys Leu Glu Arg Ala Arg Asp Leu Phe Glu Gln Ala Leu Asp
 575 580 585
 Gly Cys Pro Pro Lys Tyr Ala Lys Thr Leu Tyr Leu Leu Tyr Ala
 590 595 600
 Gln Leu Glu Glu Glu Trp Gly Leu Ala Arg His Ala Met Ala Val
 605 610 615
 Tyr Glu Arg Ala Thr Arg Ala Val Glu Pro Ala Gln Gln Tyr Asp
 620 625 630
 Met Phe Asn Ile Tyr Ile Lys Arg Ala Ala Glu Ile Tyr Gly Val
 635 640 645
 Thr His Thr Arg Gly Ile Tyr Gln Lys Ala Ile Glu Val Leu Ser
 650 655 660
 Asp Glu His Ala Arg Glu Met Cys Leu Arg Phe Ala Asp Met Glu
 665 670 675
 Cys Lys Leu Gly Glu Ile Asp Arg Ala Arg Ala Ile Tyr Ser Phe
 680 685 690
 Cys Ser Gln Ile Cys Asp Pro Arg Thr Thr Gly Ala Phe Trp Gln
 695 700 705
 Thr Trp Lys Asp Phe Glu Val Arg His Gly Asn Glu Asp Thr Ile
 710 715 720
 Lys Glu Met Leu Arg Ile Arg Arg Ser Val Gln Ala Thr Tyr Asn
 725 730 735
 Thr Gln Val Asn Phe Met Ala Ser Gln Met Leu Lys Val Ser Gly
 740 745 750
 Ser Ala Thr Gly Thr Val Ser Asp Leu Ala Pro Gly Gln Ser Gly
 755 760 765
 Met Asp Asp Met Lys Leu Leu Glu Gln Arg Ala Glu Gln Leu Ala
 770 775 780
 Ala Glu Ala Glu Arg Asp Gln Pro Leu Arg Ala Gln Ser Lys Ile
 785 790 795
 Leu Phe Val Arg Ser Asp Ala Ser Arg Glu Glu Leu Ala Glu Leu
 800 805 810
 Ala Gln Gln Val Asn Pro Glu Glu Ile Gln Leu Gly Glu Asp Glu
 815 820 825
 Asp Glu Asp Glu Met Asp Leu Glu Pro Asn Glu Val Arg Leu Glu
 830 835 840
 Gln Gln Ser Val Pro Ala Ala Val Phe Gly Ser Leu Lys Glu Asp
 845 850 855

<210> 55
 <211> 1598
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 116462CB1

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 tgcaatccat tggc ggtt tagg aacc acgatt cccggcat tc cc agt gctcc gagtc ct tcg 180
 ggctt cttt tc cgggt ctcc gagg ctg ctg aa accg aac ac gctgt gctg tggc gcagc 240
 gccg agat tg attc ac tcc ac ttc ac ct gtc gctg cact cc agt gaccc aagta gga agcc aca 300
 cgag ctg taa aac atg aacg ga aga gtt gga tt at tt gg tc act gagg aag agat caat ct 360
 tacc a gagg g cc ct cagg gg tc tggc tt caa cat cgt cgg t ggg ac a gatc ac gatc t atgt 420
 ctcc a acg ac agt gg cat ct ac gtc agccg cat caa a gaa aat ggg gctg cggcc ct tgga 480
 tggc ggctc cagg aggg tt gat gat cct tt cgg taa at ggcc a a gacc taa aga aac ct 540
 gctg cacc ag gat gct gtag ac ct ttt ctg taat gca ggc t at gct gtt ct ct gaga gat 600
 gc a gca cagg tt ac a ggt gtc aga at gg a ccc tat a ggg aca t c gagg t gaa g ggg a ccc a a g 660
 tgg tatt ccc at a ttt atgg tg ct ggt gcc agt gttt gcc ctc accat gg tag cag cct g 720

ggctttcatg	agataccggc	aacaactttg	aaaaacttgc	tctcttcaa	tactccaaat	780
gaagatacat	ttcactcacc	ctccacccct	gctattctgc	catgtcttc	cctctctctg	840
catagccaga	tttgaagtga	ctgataaccca	ccccaaacct	tgctgttcac	agtctccaaat	900
tcttcatatt	ctaatggaa	agtaaaggta	ttgtttgaag	gaaaactgaa	gaaaagactt	960
ggcttagaac	aatgaggag	ttatatattt	tactaggact	tttgatagaa	attcagctac	1020
aacccaaaga	gagaagatt	gagtcttcct	gtcaccatag	gcaataccctt	ttttcttagc	1080
tggcatgcca	taaaggccag	ctatgtgata	tttagaggaag	aaaggatttt	tcttttaat	1140
gatttccctt	gggaaattat	tgtggcctt	atthaatttc	taactacgta	cctgggtgcc	1200
tatatcgaca	aagagtgaga	agagcatttt	tacttttttta	aaaaagcaaa	tacatatata	1260
cacatacgta	tgcaaataatt	atagtataat	agtatccct	atggagaatt	aaaggtgaga	1320
aagctacttt	gtgggtctt	ggttctgtat	aaaagggatg	atcttaactg	aagaatttaa	1380
agagatactt	aaacagagca	aatgttagtag	gaacaaggga	gtgagccta	taagaggacg	1440
ttcagtctca	tttattaaaa	taataactga	gactgggaga	ggtggctcat	gcctgtaaat	1500
cccagcactt	tggtagcctg	aagtgggaga	ttgcttgagt	ccaggagacc	agcctgggca	1560
acatagcaaa	acctcatctc	tattaaaaaa	aaaaaaaaaa			1598

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<212> DNA
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte ID No: 1210462CB1

<400> 56

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ctgaccaggc	tgaaagcaaa	atcagagggg	aagcttgcaa	aacagattt	caaagttgtg	180
ttggatcatt	ttgaaaaaca	gtattccaaa	gaactcggag	atgcctggaa	tacagtaagg	240
gagatactaa	catctccatc	atgctggcaa	tatgctgtcc	tgcttaaccg	attcaattat	300
cctttgaac	tggaaaagga	tttacatttg	aagggtatc	acacactctc	tcagggatct	360
ttacccaact	atcctaaatc	agtgaagtgt	taccttagca	gaactccggg	ccgaatccct	420
tcagaaaagac	accaaattgg	aaacctgaaa	aaatattatc	tcctaaatgc	tgcttctctt	480
ctcccagtgt	tggctctgga	attaaggat	ggggagaagg	ttctggatct	ctgtgctgct	540
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<213> *Homo sapiens*

<220>
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<211> 1774

<212> DNA

<213> *Homo sapiens*

<220>

<221> misc_feature

<223> Incyte ID No: 1416289CB1

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 <213> Homo sapiens

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 <213> Homo sapiens

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 <211> 1865
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 <213> Homo sapiens

<220>
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<210> 63
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 <213> Homo sapiens

<220>
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 <213> Homo sapiens

<220>
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 catattatttc atacaaagct gtggaaaacaa aaaacgtgaa ggaatatgtt cgatggatgt 180
 tgcgttgc tgggtttgt ctctatactg tgattgaaac agtagccgtt cttatggctg 240
 cttgggttcc cctgtactat gagctgaaga ttgcgttgc tttatggctg ctttctccct 300
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 <212> DNA
 <213> Homo sapiens

<220>
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 3215187CB1

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<211> 2503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3500375CB1

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 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 5080410CB1

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 atccgtctct gtttccatgg cctctgtcg gcagtgaagc tcaagttgtct actcgggacg 180
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 <211> 937
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 5218248CB1

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<210> 70
 <211> 823
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 058336CB1

<400> 70

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<211> 1033
<212> DNA
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte ID No: 1511488CB1

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<210> 72
<211> 1622
<212> DNA
<213> *Homo sapiens*

<220>
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<210> 73
<211> 2449
<212> DNA
<213> Homo sapi

<220>
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<223> Incyte ID No: 1655123CB1

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 <211> 1689
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2553926CB1

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 aacctgttagg cctgcaggag gaggcagaac tgccagccaa gatcctgggt gagggtgtgg 180
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 aaaaaaaaaa 1689

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 <211> 2489
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 2800717CB1

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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 5664154CB1

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<210> 77
<211> 1236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 017900CB1

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<212> DNA
<213> Homo sapiens

<220>
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 <212> DNA
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<220>
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 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 5040573CB1

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